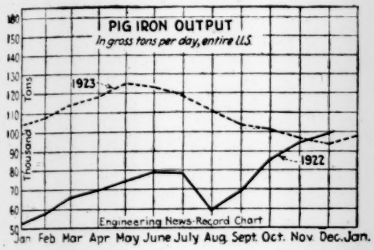
CONSTRUCTION NEWS

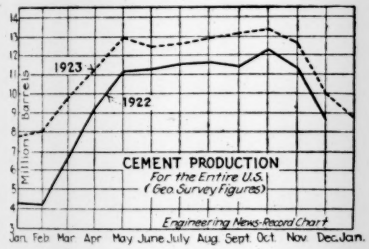
Engineering News-Record, February 28, 1924

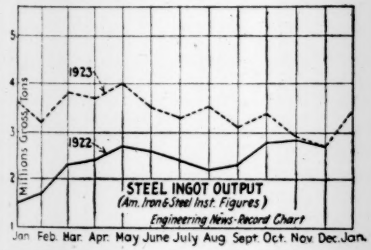
The Construction Barometer

Iron and Steel Situation Optimistic—Cement and Brick Will Probably Follow Other Basic Industries in Increased Spring Production Schedules

THE present situation with regard to the production of pig iron, steel ingots and lumber, as well as the unfilled orders on books of the U. S. Steel Corporation, contrasts sharply with the declining output of cement and common brick. The steel outlook, however, is particularly bright, with current mill operations at 90 per cent of capacity, which rate prevailed a year ago at the outset of the greatest building boom in history. Following the lead of iron and steel, most of the other basic industries will probably continue to maintain active production schedules up until about October, at which time demand normally subsides. Current trends of demand, production and prices are seasonably upward.


PIG IRON OUTPUT
In gross tons per day, entire U.S.
Thousand Tons
1923
1922
Engineering News-Record Chart
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Jan.




STEEL INGOT OUTPUT
(Am. Iron & Steel Inst. Figures)
Millions Gross Tons
1923
1922
Engineering News-Record Chart
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Jan.

Engineering News-Record Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ended	Public Work	Private Work	Total Contracts
Feb. 7	$7,708,000	$20,266,000	$27,974,000
Feb. 14	7,624,000	11,004,000	18,628,000
Feb. 21	15,802,000	38,386,000	54,188,000
3 weeks	$31,134,000	$69,656,000	$100,790,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

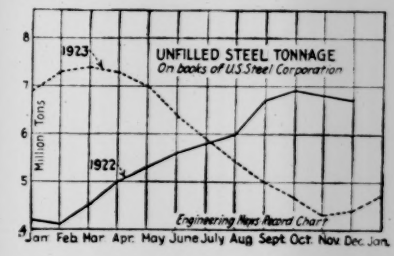
Week Ended	Public No.	Public Work	Private No.	Private Work
Feb. 7	13	$4,530,000	27	$12,495,000
Feb. 14	5	1,140,000	24	8,118,000
Feb. 21	7	4,154,000	38	31,438,000
3 weeks	25	$9,824,000	89	$52,051,000

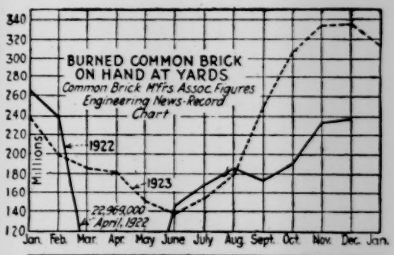
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

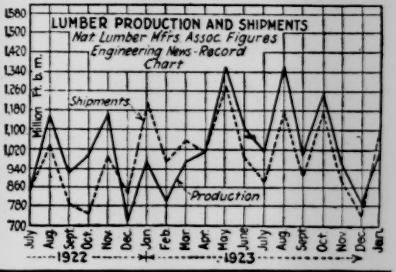
Week Ended	Private	All	Public Streets and Roads	Public Waterworks and Sewers	Public All Buildings
Feb. 7	40	192	42	40	56
Feb. 14	28	174	40	36	52
Feb. 21	39	192	54	31	56

BASIC MATERIALS PRICES FIRM DURING LAST TWO WEEKS

	Quoted on Feb. 28 at	Price was	On
Structurals, Pittsburgh, 100 lb.	$2.40 @2.50	$2.35 @2.50	Feb. 7
Cement, Chi., net bbl.	2.20	2.10	Jan. 24
Pine, N.Y., M.ft.	62.00	61.00	Feb. 14
Fir, San Fran., M.ft.	36.00	38.00	Jan. 24
Common labor, hr.	.54	.53	June 28


UNFILLED STEEL TONNAGE
On books of U.S. Steel Corporation
Million Tons
1923
1922
Engineering News-Record Chart
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Jan.


BURNED COMMON BRICK ON HAND AT YARDS
Common Brick Mfrs. Assoc. Figures
Engineering News-Record Chart
Millions
1922
1923
22,969,000 A. April, 1922
Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Jan.



Proposals will appear next week as usual.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Conn., North Branford (R. D. Branford)—New Haven Water Co., 100 Crown St., New Haven, plans rein.-con. dam and 10 m.g. reservoir, here. Private plans.

N. Y., Evans Mills—Bd. Village Trustees had surveys made and plans election Mar. 18, $60,000 bonds new water supply system. W. T. Fields, 40 Flower Bldg., Watertown, consult. engr.

N. Y., Parish—Had surveys made new water supply system. To exceed $35,000. W. T. Fields, 40 Flower Bldg., Watertown, consult. engr.

Pa., Phila.—Plans 23,000 ft. 12 in. mains in Castor Ave., Rhawn and Cottman Sts., 2,900 ft. 16 in. mains in Cottman, Margaret and Lackawanna Sts., 6,800 ft. 24 in. mains in Spring Garden and 12th Sts., 16,000 ft. 30 in. mains in Frankford Ave., 9,000 ft. 36 in. mains in Erie Ave., and 10,000 ft. 48 in. mains in Hunting Park Ave. and Roosevelt Blvd. $800,000.

Md., Baltimore—City Council soon takes bids 60-in. supply main east of valve vault at Druid Reservoir $65,000; 16-in. supply main at Roland standpipe, University Parkway, north through Roland Ave. to Linwood Ave., $64,000. V. Bernard Siems, water engr.

Fla., Cocoa—Election Mar. 3, $125,000 bonds, waterworks system. Noted Dec. 27.

Ky., Winchester—Winchester Water Co. plans hydro electric pumping station at Lock 10, Kentucky River, near here. $40,000.

O., Columbus—See "Streets and Roads."

Ill., Jacksonville—Election Apr. 1, $100,000 bonds, 4,000 ft. 16-in. Class B mains, 500,000 gal. elevated tank, 3 m.g. steam turbine, chain grate stoker, etc. Caldwell Eng. Co., Jacksonville, engrs.

Wis., Appleton—Water Comn. making plans excavating and backfilling for 15,000 lin.ft. mains. $15,000. Private plans.

Minn., Brainerd—Water & Light Bd. plans to purchase material for water and light plants, $86,000. W. D. McKay, secy.

Minn., Red Wing—Making plans waterworks improvements, incl. rein.-con. reservoir, 1 m.g. capacity, pump and equipment for deep well. $25,000. S. T. Irvine, clk. L. P. Wolff, 1000 Guardian Life Bldg., St. Paul, engr.

Mo., Independence—Making plans improving waterworks system, 2 m.g. reservoir, etc. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, engrs.

Ark., Hamburg—Making preliminary plans new pumps, engines, switchboard, distribution lines, etc., for water and electric light plant. $20,000. Engineer not selected.

Ark., Russellville—Soon takes bids 2 mi. 4 and 6 in. mains, 10 mi. sanitary sewer in Dists. 2 and 3, also 4 mi. rein.-con. paving, curbing and guttering in business section

Waterworks (Continued)

and principal residential streets. F. Ellsworth, Russellville, engr.

Tex., Trenton—Defeated $33,000 bonds, waterworks. Elrod Eng. Co., 3124 Elm St., Dallas, engrs. Noted Dec. 5.

Okla., Nowata—Preparing plans storage reservoir, main extensions, filter and pumping equipment. $75,000. Benham Eng. Co., 512 Gumbel Bldg., Kansas City, Mo., engr. Noted Feb. 7.

Ont., Hamilton—Plans 10,000 ft. 6 in. c.i. mains in Burlington St. from Niagara to Hillyard Sts., also to Woodlawn Cemetery. $30,000. E. L. McFaul, city engr.

Ont., Hamilton—Plans to improve water works system, either additional pumps or new reservoir. $25,000 to $50,000. W. L. McFaul, city engr.

Ont., Sandwich—Sandwich Water Comn. having plans prepared water distribution system, c.i. mains, 6 in. up, gate valves and hydrants. Elevated steel water tank may also be installed. $50,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs.

Ont., Toronto—Plans 2 mi. 6 in. c.i. mains, in Belsize Dr., 8th, Springmount and St. Hildas Ave., Hiawatha, Belcourt, Cheston, Gresham, Manor and Thurston Rds., $28,902. R. C. Harris, city engr.

Que., Three Rivers — Plans filtration plant, 5 m.g. per day. Arthur Surveyor Co., 511 St. Catherine St., engrs. C. E. Gelinad, city engr.

BIDS DESIRED

N. J., Allenhurst — Mar. 5, by Boro Comrs., 110 ft. new metal standpipe, 18 ft. diameter. M. D. Pyle, boro clk.

Pa., Reading — Mar. 12, constructing river crossing south of Schuylkill River Bridge for water supply system. E. L. Nuebling, ch. engr. Water Bureau; adv. E. N.-R. Feb. 28.

Fla., Sanford—Mar. 10, by City Comn., Palmetto Ave., 20 mi. mains with valves, hydrants, etc.; concrete reservoir and tank foundation; pumping station; wells and well pumps; pumping machinery and other equipment; 200,000 gal. steel tank on tower. J. E. Craig, 427 King St., Jacksonville, engr. Noted Jan. 31.

O., Cincinnati—Mar. 4, by C. F. Hornberger, dir. Pub. Serv., c.i. pipe, castings, valves, etc., in Winton Rd., Froome, Edgewood, East Epworth and Mitchell Aves. $65,000. J. A. Hiller, City Hall, engr.

Ill., Villa Grove—Mar. 5, by City Council, pumping station and pumping equipment, drilling 629-ft. well, 1 motor-driven deep well pump head complete, one 20 hp. motor and pumping station building. To exceed $15,000. Holbrook, Warren & Van Praag, 416 Millikin Bldg., Decatur, engrs.

Wis., Kohler—Mar. 17, by E. Albrecht, village clk., 100,000 gal. steel tank on 100 ft. steel tower for water storage. J. Donohue Eng. Co., North 8th St., Sheboygan, engrs. Noted Feb. 15, 1923.

Wis., White Fish Bay—See "Sewers."

Minn., Minneapolis — Mar. 4, by F. S. Gram, city purch. agt., four 48-in., ten 30-in., twenty 24-in., ten 20-in. and ten 8-in. gate valves; one 6 x 6 in. and ten 5 x 5 in. sluice gates; six 14-in., nine 12-in., five 8-in. and five 4-in. mud valves. N. W. Elsberg, city engr.

Mont., Laurel—Mar. 4, by City, 9,200 lin.ft. 6- to 12-in. c.i. water pipe, 14,000 lb. lead, 425 lb. jute. T. A. Rigney, clk. Noted Aug. 23

Tex., Wortham—Mar. 17, by W. J. Bryant, city secy., 300,000 gal. sedimentation basin, mains, etc. $20,000. R. C. Sealy, Wortham, engr.

BIDS RECEIVED

N. Y., Buffalo—W. F. Schwartz, comr. Pub. Wks., Municipal Bldg., Feb. 15, **(1)** c.i. pipe **(2)** special castings **(3)** 150 hydrants with 5 ft. standpipe **(4)** valves **(a)** 6 in. **(b)** 8 in. **(c)** 16 in., **(5)** fittings **(d)** 6- to 16-in. **(e)** 4 in., from U. S. Cast Iron Pipe & Fdry. Co., 957 East Ferry St., **(1)** $56.30 net ton; J. B. Clow & Sons, 534 South Franklin St., Chicago, **(2)** $98.15 per ton; R. D. Wood & Co., 400 Chestnut St., Phila., **(3)** $72.55 each **(5d)** $0.065 per lb., **(5e)** $0.07 per lb.; Kennedy Valve Mfg. Co., East Water St., **(4a)** $24.36 **(4b)** $38.28 **(4c)** $164.14, total $9,834; Michigan Valve & Fdry. Co., 3631 Parkinson Ave., Detroit, Mich., **(4a)** $24.36 **(4b)** $38.28 **(4c)** $164.14, $9,834; Rensselaer Valve Co., Ontario St., Troy, **(4a)** $24.36 **(4b)** $38.28 **(4c)** $164.14, $9,834. Noted Feb. 7.

N. Y., New York—Bd. Water Supply, Gas & Electricity, Municipal Bldg., Feb. 25, 36 in. mains in Jerome Ave., from F. Hanratty, 605 Beach Terrace, $111,000. Noted Feb. 21

Wis., Wauwatosa—For 800 g.p.m. pump, from Aurora Pump & Mfg. Co., Aurora, Ill., $6,881 and $6,000.

Minn., St. Paul—H. W. Austin, city purch. agt., Feb. 13, approximately 120 tons c.i. pipe specials, from South Park Fdry. & Machine Co., 23 East 6th St., $98 per ton; corporation cocks, curb cocks, brass water gate valves, from Mueller Mfg. Co., 512 West Cerro Gordo St., Decatur, Ill., $3,024; furnishing one 60-ft. x 9-ft. steel standpipe and one 12 x 98 ft. steel standpipe, 151 lin.ft. 60-in. steel pipe, 2,367 lb. special iron castings, from James McNeil & Bro. Co., 29th St., Pittsburgh, Pa., $8,499; 800 sq.yd. sandstone blocks, from Sandstone Quarries Co., 510 Plymouth Bldg., Minneapolis, $2.74 sq.yd. Noted Feb. 7.

CONTRACTS AWARDED

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, City Hall, furnishing 2,500 tons 6, 8 and 12 in. c.i. pipe, to R. D. Wood, 400 Chestnut St., $168,000. Noted Jan. 31.

W. Va., Fairmont—Mechanical filtration plant, to Rust Eng. Co., 311 Ross St., Pittsburgh, Pa., $137,458, with Roberts Filter Mfg. Co., Darby, Pa., as sub-contractors for filter equipment.

La., Gibsland — Waterworks and electrical improvements, to McIntosh Constr. Co., Oklahoma City, Okla., $39,466. Noted Jan. 31.

O., Dayton—Montgomery Co. water supply system in Overlook Dist., to Crumley, Jones & Crumley, 2301 Concord St., Cincinnati, $147,470; Lower Belmont Dist., to F. Krumholz, Springfield, $134,280; Upper Belmont Dist., to C. J. Wetzel, Dayton, $126,350. Noted Feb. 14.

Mich., Detroit—Furnishing 2,000 tons 6 in. and 3,000 tons 8 in. c.i. pipe, to Lynchburg Fdry. Co., Peoples Natl. Bank Bldg., Lynchburg, Va., $55.75 per ton.

Wis., Fond du Lac—Furnishing 12,150 lin.ft. 4- to 20-in. c.i. water pipe, to Amer. Cast Iron Pipe Co., 712 Plymouth Bldg., Minneapolis, Minn., $13,493. Noted Feb. 14.

Minn., Hibbing—For 7,000 ft. 6-in. mains connecting city system with fair grounds, to Phelps-Drake Co., 623 Metropolitan Life Bldg., Minneapolis, $15,000.

Minn., Rochester—Bd. Pub. Utilities, 395 tons c.i. pipe and 10 tons specials and fittings, to Amer. Cast Iron Pipe Co., 712 Plymouth Bldg., Minneapolis, $21,215; valves and boxes to Rensselaer Valve Co., 53 West Jackson Blvd., Chicago, $1,304. Noted Feb. 7.

Minn., St. Paul — H. W. Austin, 2 synchronous motor-driven centrifugal pumps for Water Dept., to Commonwealth Electric Co., 417 Bway., $10,005.

Mo., Kansas City — Fire & Water Bd., 7,692 ft. 8 in. and 8,537 ft. 12 in. c.i. pipe, to Natl. Cast Iron Pipe Co., 903 Commerce Bldg., $28,548; 4,000 tons 36 in. and 200 tons 20 in. Class C, and 34 tons Class C and D pipe, to U. S. Cast Iron Pipe & Fdry. Co., 604 Interstate Bldg., $319,971. Noted Jan. 10.

Tex., Corsicana — Spillway, to Mitchell Constr. Co., Abilene, $48,684; filters, to International Filter Co., 333 West 25th Pl., Chicago, $21,200. Noted Jan. 24.

Okla., Canton—New waterworks system, incl. well, tower, pump and motor, and 13,150 ft. 2- to 6-in. c.i. pipe, 10 x 26 ft. brick building, to H. H. Dohe, Okeene, cost plus $2,000. Engrs. est. $30,000. Noted Nov. 8.

Ont., Toronto—Furnishing 60,000 lin.ft. c.i. pipe, 12 ft. lengths, for waterworks, to Natl. Iron Corp., Ltd., Cherry St., 3 in. $7.35 per length, 4 in. $8.10, 6 in. $13.50, 8 in. $18.25, 10 in. $25.65, 12 in. $34.75.

Ont., Toronto—Will repair and maintain water distribution system incl. c.i. pipe, valves, hydrants, etc., by day labor. $380,000. R. C. Harris, city engr.

Sewers

PROPOSED WORK

R. I., Woonsocket—Plans new sewers in various sections of city. $500,000. Address City Eng. Dept., City Hall.

Conn., Hamden—Plans sewerage system throughout town. W. Wright, Town Hall, town engr.

Pa., Phila.—Having plans prepared 35,765 ft. sewers in Erie, Cranford, 76th, Mifflin, Wissahickon, Ithan, Tioga, Sanger, Tyson, Cottman, Winghocking, Government and Bingham Aves., J. Pocker, Oak Lane, Venango, Rock Run, Oakland, Benner and 69th Sts. $2,360,000.

D. C., Wash. — Washington Sanitary Sewerage Comn. plans to expend $500,000 for completing sewerage system in Maryland just outside Dist. of Columbia line.

Fla., Cocoa — Election Mar. 3, $75,000 bonds, sewerage system. Noted Dec. 27.

Fla., Miami Beach — Plans sanitary sewers, S R 20, $38,847, S R 18-1[illegible] $42,460; storm sewers, S R 15, 16 and 17, Meridan Ave., 10th and 3rd Sts., $56,113. Van Alen Haines, city mgr.

O., Cincinnati—See "Streets and Roads."

O., Columbus—See "Streets and Roads."

Ill., Lake Zurich—Having preliminary plans prepared modified Imhoff tank with either sand or stone filters, $17,500; also plans extending sewerage system. James Anderson Co., Inc., Lake Forest, engrs.

Wis., Madison—Making plans sewage disposal plant, incl. grit chamber, grease extractor, Imhoff tanks, sludge beds, dosing tanks, sprinkling filters, secondary settling tank. $840,000. Pearse Greel & Hanson, 39 West Adams St., Chicago, engrs.

Ia., Edgewood—Preparing plans sanitary sewerage system, incl. 3.5 mi. 8- to 10-in. pipe, disposal plant. $40,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Ia., Oelwein—Rejected bids sewage disposal plant. Will readvertise. Exceeds $25,000. E. B. Tourtellot, Oelwein, engr.

Minn., St. Paul—Rejected bids sewer in West 7th St. from Palmer St. to Albion Ave. Noted Feb. 14.

Ark., Russellville—See "Waterworks."

Tex., Dallas—J. M. Preston, Sumpter Bldg., and associates, had plans prepared sanitary sewers in Trinity Heights, Edgemont, etc. $25,000. J. M. Preston, engr.

Tex., Floydada—Election Mar. 18, $50,000 bonds complete sewerage system and disposal plant; $10,000 bonds waterworks. G. Baker, First Natl. Bank Bldg., Oklahoma City, Okla., engr. Noted Dec. 6.

Tex., Paris—Rejected bids Imhoff sewage disposal plant. Will readvertise. $26,500. M. C. Welborn, city engr.

Ont., Bridgeburg—Having plans prepared 16,000 ft. sanitary sewers, vitr. tile pipe 8 in. up. $60,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Long Branch—Etobicoke Twp. (Islington) having plans prepared sewerage system in this vicinity, 60,000 lin.ft. vitr. tile pipe, 8 in. up. $250,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

N. Y., Buffalo—Mar. 1, by J. F. Burke, 577 Ellicott Sq. Bldg., 10,300 ft. 10- to 24-in. sewers in subdivision streets north of Kensington Ave. To exceed $50,000. G. C. Diehl, 577 Ellicott Sq. Bldg., engr.

N. Y., Long Island City—Mar. 4, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Cuthbert Pl., Bleeker, Westside and 110th Sts., Atlantic and Metropolitan Aves., etc.

N. J., Millville — Mar. 7, by Bd. City Comrs., sanitary sewer extensions Numbers 14 and 15, 10,152 ft. 4- to 12-in. vitr. terra cotta pipe, etc. N. B. Wade, city engr.

Pa., Ellwood City — Mar. 10, by Boro Council, sewage disposal plant and intercepting sewerage system. A. Main, engr.; adv. E. N.-R. Feb. 28.

Wis., Milwaukee — Mar. 7, by J. H. Fowles, secy. Sewerage Comn., 508 Market St., superstructure 2 story, 220 x 330 ft., filter and dryer house, brick, steel and concrete, on Jones Island. Steel work and foundation previously let.

Wis., White Fish Bay—Mar. 3, by W. Volkmann, village clk., sewers and water house connections in 9 streets, 8 in. sanitary sewers in 9 streets, 10 in. storm sewers in 2 streets, vitr. or concrete pipe; 6 in c.i. mains in 5 streets. $70,000-$75,000. T. F. Buckley, Village Hall, engr.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, Feb. 14, sewers in **(1)** East 9th St. engrs. est. $28,143 **(2)** East 18th St. $16,353 **(3)** East 7th St. $8,538 **(4)** Empire Blvd. $2,376 **(5)** West 4th St. $65,885 **(6)** New Utrecht Ave. $10,473 **(7)** 69th St. $5,403 **(8)** Vanderbilt Ave. $16,664 **(9)** Hegeman Ave. $1,400 **(10)** Douglass St. $400 **(11)** Junius St. $400, from A. Mannino, 263 86th St., **(1)** 79½% engrs. est. **(3)** 81% **(4)** 110 % **(5)** 77% **(6)** 86% **(7)** 85%; Fenlen Constr. Co., **(2)** 87%; C. F. Vacharas, 645 40th St., **(8)** 113% **(9)** 84.3% **(10)** 85.3%; Manmill Constr. Co., 2035 Douglass St., **(11)** 89.2%. Noted Feb. 14.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Feb. 25, sewers **(1)** Cooper Ave. **(2)** Market St. **(3)** 85th St. **(4)** 101st St. **(5)** 25th St., from J. W. Murphy, 8866 26th St., Brooklyn, **(1a)** $11,751; Kennedy & Smith, Inc., 93 Amity St., Flushing, **(1b)** $10,030 **(2)** $8,913; D. A. Gross **(3)** $1,976; P. J.

Sewers (Continued)

Greenhoff Eng. Co., (4) $2,345; Merritt-Chapman & Scott Corp., 17 Battery Pl., New York. (5) $121,971. Noted Feb. 21.

Pa., Phila.—Dept. Pub. Wks., Bureau Surveys, removing old sewer and building new sewer in Courtland St., from J. J. McHugh, 1617 Race St., $367,955. Noted Feb. 14.

O., Cleveland—Cuyahoga Co. 9,000 ft. 8-42 in. vitr. tile sewer in Impvt. 36 of Co. Sewer Dist. 1, from Gallagher & Burke Constr. Co., Rockefeller Bldg., $60,510.

Neb., Fremont—Mar. 4, furnishing 9 mi. 27 in. vitr. or cement pipe. Bids later for laying. L. M. Roessler, city engr. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., consult. engrs. Noted Feb. 21.

Nev., Reno—City Council receiving bids and opens same about Mar. 10, sewers, $35,000. H. Chism, city engr.

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in 115th and Palmetto Sts., to J. Gallo, 203 Division St., Brooklyn, $58,953 and $3,775 respectively; 85th Rd., to D. A. Gross, $2,364; Way Ave., to Duit, Inc., $16,946. Noted Feb. 21.

D. C., Wash.—Washington Suburban Sanitary Comn., Evans Bldg., New York Ave., pipe and fittings to U. S. Cast Iron Pipe & Fdry. Co., Morris Bldg., Phila., $100,000, also special castings, pipe, etc. $58,000; terra cotta pipe to Baltimore Clay Products Co., 2123 West Lafayette Ave., Baltimore, Md., $46,406.

Wis., Milwauke—Sewerage Comn., 508 Market St., intercepting sewer extension in Commerce St., to G. E. Zimmerman, 3402 Grand Ave., 2,400 ft. 30 in. concrete sewer $28.90, 952 ft. 24 in. terra cotta pipe $28.50, 110 vertical ft. manholes $22. Noted Feb. 7.

Wis., Milwaukee—Metropolitan Sewerage Comn., 508 Market St., Cudahy Sewer Sect. 3, Barland Allerton and Lynn Aves., concrete pipe to H. Hohensee, Ludington Ave., Wauwatosa, $273,229; main sewer to No. 2 outfall in Shorewood and Whitefish Bay, Milwaukee Co., to E. M. Gillet, 673 25th St., $15,641. Noted Feb. 7 under Wisconsin.

Tex., Big Springs—For 50,000 ft. 6- to 12-in. sewers, to Irick and Fridell, Plainview, $42,177. Noted Jan. 31.

Tex., Dallas—J. P. Stephenson, c/o Koch & Fowler, engrs., Central Bank Bldg., sewer system in Stephenson Addition, to W. G. Cullum, 4018 Gilbert St., $34,000.

Tex., Houston — Will build Southmore storm sewers, by day labor. $175,000. J. C. McVea, city engr. Noted Feb. 7.

Calif., Oakland—See Streets and Roads.

Ont., Guelph—Will build 16,000 ft. vitr. tile storm and sanitary sewers, 8 in. up, in several streets, by day labor. $65,000. H. S. Nicklin, city engr.

Ont., Toronto — Constructing sewers to Hyland Constr. Co., 72 St., Mary St., sewer in Belsize Dr. $6,910, Tilson Rd. $696; to A. Cavotti, 257 Euclid Ave., Pleasant Blvd. $9,058, Cleveland St. $1,750; to R. Worthington, 57 Lascelles Blvd., Landsdowne Ave. $22,433, Tyrell Ave. $34,983; to W. E. Taylor, 22 Falcon St., St. Clair Ave. $5,927, Douglas Dr. $2,279, Boynton Rd. $1,532, Cheston Rd. $1,597; Thurston Rd. $1,675; to J. H. McKnight Constr. Co., 88 St. Davids Ave., Belcourt Rd. $1,709, outlet to Belsize Dr. $595, Rosethorn Ave. $1,525; to P. Lecastro, 1423 Dufferin St., Garden Ave. $2,170, Heath St. $5,471; to Grant Contg. Co., 50 Front St. E., Manor Rd. $7,298, Tilson Rd. outlet $298; to Murphy Contg. Co., 8 Wychwood Ave., Broadview Ave. $3,365, St. Clair Ave. W. $3,972.

Bridges

PROPOSED WORK

N. Y., Albany — Making plans viaduct across Normanskill Creek. $250,000. J. G. Brennen, city engr.

N. Y., Lackawanna (Buffalo P. O.)—Plans 1,900 ft. viaduct, 70 ft., over Ridge Rd. between Kirby and Cleveland Aves. $1,000,000. Engineer not selected.

N. Y., Lockport — City and New York Central R.R., Grand Central Terminal, New York City, plan viaduct over Transit St. $150,000. G. A. Noren, Grand Central Terminal, New York City, engr.

Pa., Altoona—Plans 140 ft. concrete and steel bridge, 40 ft., over Pennsylvania R.R. tracks at 17th St. $100,000.

Ohio and West Virginia — Interstate Bridge Co., Bellaire, O., plans steel truss highway bridge over Ohio River, between Bellaire, O., and Benwood, W. Va. To exceed $100,000.

Wis., Monroe—See "Streets and Roads."

Missouri—State Hy. Dept., Jefferson City, plans one 60 ft. steel deck plate girder, two 20 ft. rein.-con. slab, eight 40 ft., one 35 ft. and two 28 ft. rein.-con. deck girder spans, etc., over Salt Creek and tracks of Missouri, Kansas & Texas R.R., Howard Co.; one 40 ft. deck girder, on Sta. 49 plus 65, two 30 ft. rein.-con. deck girder spans on Sta. 82 plus 76, six 20 ft. and one 40 ft. rein.-con. deck girder spans, on Sta. 93 plus 30, all over stream, Dade Co.; one 35 ft. rein.-con. deck girder span, on Sta. 14 plus 70, and one 60 ft. steel truss span on Sta. 152 plus 40, Benton Co.; one 60 ft. steel truss span over Muddy Creek, Linn Co.; one 35 ft. rein.-con. deck girder span, etc., over Sequiota Creek, Greene Co.; one 10 ft. rein.-con. slab span over Drainage Ditch, Scott Co.; three 40 ft. rein.-con. deck girder spans over Drainage Ditch, Perry Co.; one 90 ft. steel truss and four 25 ft. I-beam spans over Salt Fork Creek, Saline Co.; two 24 ft. concrete deck girder spans over Brushy Creek, Carter Co. B. H. Piepmeier, state highway engr.

Ark., St. Francis—St. Louis Southwestern R.R. Ry. Exch. Bldg., St. Louis, Mo., plans bridge over St. Francis River, here. $50,000. W. S. Hanley, Tyler, ch. engr.

BIDS DESIRED

Virginia—See "Streets and Roads."

Alabama—Mar. 19, by State Hy. Dept., Montgomery, 802.5 ft. steel superstructure, five 157 ft. 6 in. spans, over Shoal Creek between Killen and Florence, Project 144, Sect. A, Lauderdale Co. W. S. Keller, state highway engr.

Miss., Greenwood — Mar. 19, by Bd. Supervs. La Flore Co., Court House, 2900 ft. structural steel swing span bridge over Yazoo River, part Federal Aid Project 156, incl. 1,965 sq.yd. rock asphalt paving. H. C. Dietzer, c/o State Hy. Dept., Jackson, engr.

Miss., Luke—See "Streets and Roads."

Miss., Starkville — See "Streets and Roads."

Kan., Oskaloosa—Mar. 21, by Clerk Jefferson Co., one 220 ft. steel truss span, rein.-con. abutments, ½ mi. from Perry. Earth approach and fill to be let under separate contract. Dodd & Finney, 216 West 6th St., Topeka, engrs. Noted Feb. 21.

Okla., Miami—Mar. 4, by Clerk Ottawa Co. four 40 ft. rein.-con. trestles. $28,000. W. C. Burnham, Capitol Bldg., Oklahoma City, engr.

Wyoming—Mar. 6, by State Hy. Comn., Cheyenne, Federal Aid Project 143, four concrete bridges, 26 to 30 ft. spans, Buffalo-Sheridan Rd., Johnson Co., $25,000; Federal Aid Project 155, eight treated timber, 19 to 83 ft. spans, (State furnishes treated timber) Moorcroft-Carlile Rd., Crook Co., $25,000. J. F. Seiler, Cheyenne, engr.

Wyoming—See "Streets and Roads."

Tex., Austin—See "Streets and Roads."

New Mexico—See "Streets and Roads."

BIDS RECEIVED

Tennessee—State Dept. Hys. & Pub. Wks., Nashville, concrete, steel and timber bridge incl. 114 ft. steel spans and 18 wooden spans, over Roaring River, State Project 135, Jackson Co., to General Constr. Co., 808 Planters Bldg., St. Louis, Mo., $44,734; 14 rein.-con. bridges each over 20 ft. span, Federal Aid Project 100, Haywood Co., to Parham Constr. Co., East St. Louis, Ill., $233,892; two 30 ft. span concrete bridge over McBrides Branch, State Project 151, Coffee Co., to J. B. Ramsey, Lawrenceburg, $6,060; reconstructing steel bridge, one 220 ft. and two 144 ft. spans, over Clinch River, State Project 152, Anderson Co., to Vincennes Bridge Co., Vincennes, Ind., $9,808; rein.-con. overhead grade separation over Southern R.R. near Knoxville, Federal Aid Project 41, Sect. C, Knox Co., to Emory Constr. Co., Knoxville, $18,151. Noted Jan. 24.

Minn., Mendota—A. P. Erickson, aud. Hennepin Co. (Minneapolis), Feb. 4, 4,100 ft. bridge over Minnesota River, 45-ft. roadway with two 6-ft. sidewalks, design (a) concrete arch (b) concrete pier, steel deck trusses and concrete deck, for Hennepin and Dakota Counties, from Greiling Bros. Co., 100 Blk. E. Walnut St., Green Bay, Wis., (a) $1,766,000 (b) $1,989,238. Noted Jan. 24.

CONTRACTS AWARDED

S. C., Abbeville—Abbeville Co., bridges on Federal Aid Project 221, includes two rein.-con. bridges, one rein.-con. steel and creosoted timber bridge and two creosoted timber bridges, to P. S. Minus, Spartanburg, $47,302. Noted Jan. 31.

S. C., Bishopville—Lee Co., 3 bridges over Lynches River, on Federal Aid Project 67-C, incl. 3,500 lin.ft. untreated and 1,500 lin.ft. treated piling, 629 cu.yd. concrete, 91,000 lb. reinforcing and 150,000 lb. structural steel, 1,429 sq.yd. paving, etc., to General Road & Drainage Constr. Co., Columbia, $51,033 Noted Feb. 14 under "Streets and Roads."

Florida—Florida Western & Northern Ry. Co., c/o Seaboard Air Line, Continental Bldg., Baltimore, Md., to Jefferson Constr. Co., Peoples Bldg., Charleston, S. C., 1,300 ft. bridge over Kissimmee River $50,000, and 200 ft. bridge over St. Lucie Canal, $25,000.

Ohio—See "Streets and Roads."

Missouri—State Hy. Dept., Jefferson City, two 80 ft. steel truss and two 30 ft. I-beam spans, 3 rein.-con. piers, etc., over Eleven Points River, also two 70 ft. steel truss spans, 3 rein.-con. piers, etc., over Middle Fork River, Oregon Co., to Campbell Bros., 630 Kemper Bldg., Kansas City, $17,805 and $14,133 respectively; one 160 ft. and two 120 ft. steel truss spans, 4 rein.-con., piers, etc., over Grand River on Sta. 602 plus 80, also thirty-three 20 ft. I-beam spans, etc., on Sta. 597 plus 00, over overflow of Grand River, Livingston Co., to R. P. Harper Constr. Co., Leona, Kan., $28,969 and $71,049 respectively; one 37 ft. rein.-con. deck girder, also two 20 ft. and three 18 ft. rein.-con. slab spans, etc., over tracks of Chicago & Alton R.R., Jackson Co., to Carrothers Co., 310 Walsix Bldg., Kansas City, $8,612; three 30 ft. and two 60 ft. rein.-con. arch spans, 4 rein.-con. piers, etc., over Current River, Shannon Co., to M. E. Gillioz, Monett, $62,964; one 130 ft. steel truss span, etc., over tracks of St. Louis & San Francisco R.R., Phelps Co., to L. E. Wagner, 4615 Tower Grove St., St. Louis, $3,228. Noted Feb. 7.

Ont., Lakefield—Peterboro Co. Council, one 99 ft. and one 74 ft. spandrel arches, rein.-con., 20 ft. roadway, to J. J. McNab, Trenton, $20,993. County will wreck old bridge and supply 24 tons reinforcing steel, for which bids will be asked.

Dams

PROPOSED WORK

Conn., North Branford (R. D. Branford) —See "Waterworks."

Wash., Lake Cushman—See "Unclassified."

CONTRACTS AWARDED

Pa., Phila.—Dir. Pub. Wks., Room 216, City Hall, overflow dam, 1,200 ft. long, 35 ft. high, in southern section of Fairmount Park across Schuylkill River, to Seeds & Durham, 6320 Wissahickon Ave., $604,650. Noted Feb. 21.

Railways

PROPOSED WORK

Ontario—Ottawa Electric Ry., Albert St., Ottawa, plans to purchase 15 double track electric street railway cars, also 1 mi. double track. F. D. Burpee, 248 Albert St., Ottawa, genl. mgr.

Ontario—Toronto Transportation Comn., Ryrie Bldg., Toronto, plans extending electric street car service on Gerrard St., Toronto, 1½ mi. double track, 100 lb. rails. $200,000. H. H. Couzens, ch. engr.

CONTRACTS AWARDED

Florida—Florida Western & Northern Ry. Co., c/o Seaboard Air Line, Continental Bldg., Baltimore, Md., 205 mi. railroad from Coleman south east to coast, to Jefferson Constr. Co., Peoples Bldg., Charleston, S. C., $4,000,000.

Ontario—Toronto Transportation Comn., Ryrie Bldg., Toronto, will build car loop north of Rosedale Bridge, 900 ft. single track electric line on concrete base, by day labor. $25,000. H. H. Couzens, ch. engr.

Excavation, Drainage, Irrigation

PROPOSED WORK

La., Shrewsburg — A. T. Christine, member of 4th Jefferson D. D., which is undertaking reclamation 30,000 acres land north of New Orleans, obtained injunction from Judge F. Middleton, forbidding letting of contracts, bids for which were to be opened Feb. 12. Noted Feb. 7.

Minn., Minneapolis—Bd. Park Comrs., City Hall, rejected bids dredging in Powderhorn Lake, 140,000 cu.yd. Will revise plans and readvertise. J. A. Ridgway, secy. Noted Feb. 21.

Excavation, Drainage, Irrigation (Continued)

Mont., Harlowton — Harlowton-Durand Irrigation Dist., A. W. Verheren, dist. mgr., will probably take bids about Apr. 10, 110 mi. open ditches, 1,500,000 cu.yd. excav. $135,000.

Missouri — Little River D. D., Cape Girardeau plans 25,000,000 cu.yd. excav. in 175 mi. of cleanout work and 125 mi. drainage ditches, levees, etc., in various counties. $4,000,000. J. W. Hummelberger, Cape Girardeau, pres. Morgen Eng. Co., Goodwyn Institute, Memphis, Tenn., engrs.

Ont., Chatham—Dept. Pub. Wks., Parliament Bldg., Ottawa, having surveys made of Thames River from here to mouth, with object of dredging same for canal traffic, about 15 mi. involved. $100,000. K. M. Cameron, ch. engr.

Ont., Saulte Ste. Marie—Dept. Pub. Wks., Parliament Bldgs., Ottawa, plans to spend $100,000 or dredge work in St. Marys River, here. K. M. Cameron, ch. engr.

BIDS DESIRED

N. J., Jersey City—Mar. 13, by Mosquito Extermination Comn., Bergen and Sip Aves., Jersey City, 65,000 ft. more or less new drainage ditches, also cleaning and repairing 125,000 ft., more or less old drainage ditches, on salt marsh meadows situate, lying and being within Hudson Co. L. E. Jackson, secy.

N. C., La Grange — Mar. 1, by Comrs. Wayne Co. D. D. 1, cleaning out and cutting approximately 15 mi. dredge ditches, containing 200,000 cu.yd. suitable for dragline or floating dredge. W. D. Alexander, 319 West 5th St., Charlotte, engr.

Wis., Oconto — Mar. 18, by Pensaukee D. D. at office of Circuit Court, Courthouse, Green Bay, ditching and tiling in Oconto and Shawnee Counties involving 1,068,000 cu.yd. excav. average depth 7 ft., 107,269 ft. 8- to 30-in. tiling, average depth 5½ ft., 22 bulkheads, 296 acres to be cleared of brush and light timber. $175,000-$200,000.

BIDS RECEIVED

Miss., Charleston—Matthews Bayou D.D., 9 mi. ditches, 108,000 cu.yd., and 5 mi. levee, 73,000 cu.yd., from D. E. Barnett & Co., Memphis, Tenn., $0.1697 per cu.yd. on all classes of work. Noted Feb. 7 under Unclassified.

Streets and Roads

PROPOSED WORK

N. Y., Tonawanda—Making plans paving and repaving various streets, vitr. brick and asphalt. To exceed $35,000. T. Barrally, City Hall, engr

N. Y., Watertown—Making plans paving 7 streets. $150,000. P. B. Sutton, city engr.

New Jersey—State Hy. Dept., Trenton, plans 16 mi. detour Route 9 between Whitehouse and North Branch, Hunterdon Co. $28,840. W. G. Sloan, state highway engr.

N. J., Dover—Morris Twp. plans 1.46 mi. Dover-Mt. Freedom Rd., 3 in. slag penetration on 6 in. rock bottom. State will appropriate toward cost. Engineer not selected.

Pa., Altoona—Plans to resurface pavements, brick and concrete. $200,000. H. J. Baum, city engr.

Pa., Doylestown—Plans to repair various streets. $30,000. C. Boyer, Siegler Bldg., burgess.

W. Va., Parkersburg—Plans vitr. brick paving Washington Ave., et. al. $80,000. J. V. Dunbar, Parkersburg, engr.

N. C., Maxton—Mayor takes bids about Mar. 10, hard surfacing various streets, $35,000. W. H. Booker, Charlotte, engr.

N. C., Morganton—S. W. Pipkin, mayor, takes bids about Mar. 1, hard surfacing streets. $150,000. W. H. Booker, Charlotte, consult. engr. Noted Feb. 21.

S. C., McCall—Plans hard surfacing various streets. $100,000.

Ala., Anniston—City takes bids about April 1, asphalt paving, concrete, guttering and curbing 1.5 mi. Oxford Rd., 20 ft. $150,000. H. P. Harris, city engr.

Ala., Birmingham—City takes bids about Apr. 1, paving 10 blocks 46th and Ensley Sts., 2 in. asphaltic concrete on 5 in. concrete. $26,000. A. J. Hawkins, city engr.

Tenn., Nashville—Plans paving 8 blocks Meridian St., probably granite block and rock asphalt. W. W. Southgate, city engr.

Kentucky—State Hy. Dept., Nashville, plans grading and surfacing with waterbound macadam, or rein.-con., 5 mi. Lexington-Covington Rd., 18 ft., Federal Aid Project 115, Sect. 2, Scott Co. J. S. Boggs, state highway engr.

Ky., Fulton—Fulton Co. voted $450,000 for roads. State will furnish its prorata and work will be in charge of State Highway Dept., Frankfort. Noted Jan. 31.

Ky., Owensboro—Plans resurfacing and constructing 4 mi. streets. $50,000.

Ohio—Dept. Highway and Pub. Wks., Columbus, cancelled bids Feb. 15, grading, bridging and paving 5.28 mi. roads in Columbiana and Cuyahoga Counties. Noted Jan. 31.

O., Canton—Takes bids in spring paving Wells Ave., $27,000; resurfacing and widening 3rd St. N. W., $28,000. W. E. Sarver, City Hall, engr.

O., Cincinnati—Rex Realty Co., 16 East 7th St., plans approximately 2 mi. concrete streets and sewers, for subdivision of 70 acres, on Reading Rd. $200,000. L. G. Leiber, 16 East 7th St., engr.

O., Columbus — Making plans grading, laying necessary water services and sewer connections and paving 12,724 ft. Torrence Rd., Fulton St., Clifton and 15th Aves., 26 ft., brick $148,831, asphalt $123,243; 3,111 ft. Oakwood Ave., 30 ft., brick $77,604, asphalt $62,796. R. H. Simpson, city engr.

Mich., Detroit — Wayne Co. had plans prepared 9 in. concrete and grading 9 mi. Telegraph Rd. from Dearborn to Redford, 20 ft.; Michigan Rd. from west limits of Dearborn to Telegraph Rd., double roadway each 24 ft.; 18 mi. Plymouth Rd. from here to Plymouth, 20 ft., E. N. Hines, Real Estate Exch. Bldg., chn. Rd. Comn.

Ill., River Forest—Soon takes bids improving Lake St., removing 14,500 sq.yd. vitr. brick, laying 20,500 sq.yd. asphalt on concrete, 14,750 lin.ft. integral curb, grading 14,500 sq.yd. existing macadam foundation, etc. $129,161. Address City Engineer, c/o A. S. Hatch, clk.

Ill., Rockford—Winnebago Co. rejected bids rein.-con. paving Grant Highway south to Seward. $120,000. Will readvertise shortly. A. R. Carter, co. supt.

Wis., La Crosse—Soon takes bids grading 15 streets and various alleys, 85,000 cu.yd. C. C. Congdon, City Hall, engr.

Ia., Iowa City—Plans paving 15,000 sq.yd. various streets. $40,000. G. J. Dohrer, clk.

Ia., Marshalltown—Plans paving various streets, 105,000 sq.yd. concrete, rein.-con., vibrolithic concrete or reinforced vibrolithic. O. G. Herm, city engr.

Minn., Moorhead—Plans paving 6 blocks 1st Ave. N. between 8th and 14th Sts. $25,000. R. G. Price, city clk.

Kan., Newton—Soon takes bids grading and paving with rein.-con. or brick on concrete, ½ mi. Kansas Ave., 26 ft. $25,000.

Kan., Oberlin—Decatur Co. soon takes bids improving 10.472 mi. Federal Aid Project 165, Sect. D, 28 ft. E. W. Wooley Co., Topeka, engrs.

Kan., Troy — Doniphan Co. soon takes bids brick or concrete paving 1 mi. Federal Aid Project 169, Sect. E, 18 to 60 ft. Kansas Eng. Co., Topeka, engrs. Noted Feb. 7.

Kan., Wichita—City Comn., opens bids about Mar. 5, paving, etc., 41 blocks, 460 sq.yd. vertical fibre brick, 21,870 sq.yd. asphaltic concrete, 38,604 sq.yd. concrete, 3,772 sq.yd. sheet asphalt, 20,199 cu.yd. excav., etc. $250,000. P. L. Brockway, City Bldg., engr. Noted Oct. 4.

N. D., Valley City — Plans to pave 7 blocks Front St. $25,000. W. T. Craswell, clk.

Missouri—State Hy. Dept., Jefferson City, plans grading 38.079 mi. roads, 30 ft., in Worth, Putnam, Limm, Benton, Pulaski, Dade, Vernon, McDonald and Greene Counties; grading and graveling 5 mi. Benton-Charleston Rd., 6 ft., Scott Co.; graveling 13.432 mi. roads, 16 ft., in Sullivan, Lincoln, Stoddard, St. Genevieve, Jefferson, and Perry Counties; graveling 5 mi. Jefferson City-Linn Creek Rd., 12 ft., Miller Co. B. H. Piepmeier, state highway engr.

Mo., St. Louis — Plans granite curbing and improving 3,215 sq.yd. Arco St., willite, warrenite, asphalt or asphaltic concrete on concrete, $12,300-$14,200; removing existing brick and concrete base, repairing curb and gutter, and resurfacing 9,435 sq.yd. 18th St., from Lafayette to Chouteau Sts., $43,000-$49,600, also 6,100 ft. 18th St. from Russell to Lafayette Sts., $27,900-$32,400, warrenite, asphalt, willite or vitr. brick on concrete; concrete curbing, guttering and reconstructing 10,205 sq.yd. Lafayette St. $52,200-$56,800, also 10,450 sq.yd. Detonty St. $50,900-$56,000, willite, warrenite or asphalt on concrete; reconstructing and surfacing 5,760 sq.yd. Magnolia Ave., willite, warrenite, asphalt or vitr. brick on concrete, $30,800-$35,300; reconstructing 10,320 sq.yd. Shenandoah St., vitr. brick or vibrolithic Portland cement concrete, $50,700-$58,800; granite curbing and reconstructing 1,170 sq.yd. Potomac St., warrenite, willite, asphaltic concrete or vitr. brick on concrete, $5,500-$7,500. W. W. Horner, City Hall, engr.

Mo., St. Louis—Plans concrete curbing, guttering and paving 1 block Lorraine Ave., 30 ft., $12,600-$14,750; resurfacing 1 block Dickson St., 30 ft., $14,700-$16,300, 2 blocks Fairfax St., 30 ft., $25,350-$28,510, 2 blocks Francis St., 30 ft., $17,500-$20,350; reconstructing 3 blocks Howard St., 30 ft., $32,100-$35,650, 6 blocks Hall St., 36 ft., $52,000-$60,000, 2 blocks Thomas St., 36 ft., $25,900-$28,500, 1 block Randolph St., 30 ft., $15,060-$17,300, 3 blocks Bway., 36 ft., $130,150, all above either willite, warrenite, asphalt, asphaltic concrete or vitr. brick on concrete; recurbing, guttering and resurfacing 6,690 sq.yd. 25th St., $44,000; grading, concrete curbing, guttering and surfacing 4,320 sq.yd. San Francisco St., warrenite on concrete, $30,500. W. W. Horner, City Hall, engr.

Mo., St. Louis—Plans widening 9,000 ft. Olive St. from 60 ft. to 100 ft., $2,350,000, paving same to cost approximately $2,225,000 upwards. H. Bartholomew, Municipal Courts Bldg., engr.

Mo., St. Louis—Soon takes bids grading and paving 13,300 sq.yd. Bates St., Portland cement concrete with macadam shoulders. $55,000. W. W. Horner, city engr.

Mo., Trenton—Soon takes bids grading and paving 25 blocks Laclede, McPherson, 8th, Tindall, Lawn, Lulu, 9th and Princeton Sts., rein.-con. or brick on concrete. $100,000.

Ark., Ashdown—Little River Co. soon takes bids graveling 5 mi. road, Dist. 6, 18 ft. $25,000.

Ark., El Dorado—Soon takes bids grading, paving with rein.-con., concrete curbs and gutters on 5,700 ft. in Street Impvt. Dist. 17. $54,000. Ford & MacCrea, Gazette Bldg., Little Rock, engrs.

Ark., Pine Bluff — Making preliminary plans grading, curbing, guttering and paving with rein.-con. or asphaltic concrete 53,000 ft. in Dists. 71, 72, 73, 74 and 78. $500,000. F. R. Allen, City Hall, engr.

Ark., Russellville — Making preliminary plans grading and paving with rein.-con., asphaltic concrete or asphalt on concrete, etc. 3 mi. Jefferson, River, St. Mary, Torrence, Oak, Maple, Russell, David and Madison Sts., 26 and 28 ft.

Ark., Russellville—See "Waterworks."

Tex., Aransas Pass — San Patricio Co. voted $70,000 bonds surfacing State Highway 12. Address County Commissioners.

Tex., Austin—Travis Co. making plans grading 22 mi., and gravel surfacing 10 mi. Austin-Cameron Rd., 16 ft., $115,000; 3 mi. crushed stone base with bituminous topping, and 5 mi. gravel surfacing on Pflugerville Rd., 16 ft., $100,000. O. Leonard, Box 256, engr.

Tex., Austin—Travis Co. making plans grading and gravel surfacing 17.5 mi. Webbeville Rd., 16 ft. $125,000. O. Leonard, Box 256, engr.

Tex., Baird—Callahan Co. making plans and soon takes bids grading and surfacing with macadam base and bituminous topping 9.62 mi. State Highway 1, 18 ft. $248,000. T. H. Webb, co. engr.

Tex., Benjamin—Knox Co. election Mar. 1, $250,000 bonds, grading 65 mi. and surfacing with macadam or gravel 20 mi. State Highway 30, 24 ft. grading, 16 and 18 ft. surfacing, bonds to be supplemented by State and Federal Aid for construction 10 mi. State Highway 30. Total $300,000. N. S. Kilgore, co. judge.

Tex., Canton—Van Zandt Co. making plans and soon takes bids grading and concrete surfacing 7.14 mi. State Highway 15, 9 and 18 ft. $148,925. J. H. Bray, co. engr.

Tex., Colorado — Mitchell Co. election Mar. 22, $325,000 bonds concrete paving Bankhead Highway. $650,000. Federal aid. F. F. Dubose, co. engr.

Tex., Dallas—Plans 40 ft. concrete roadway or bituminous topping on concrete on Lancaster Blvd. $40,000. E. A. Kingsley, city engr.

Tex., Dallas—Dallas Co. making plans paving, etc., 2 mi. extension of Jefferson Ave. to Cockrell Hill. $40,000. Nagle Witt & Rollins, Court House, co. engrs.

Tex., Linden—Cass Co. making plans and soon takes bids grading and concrete paving 5 mi. State Highway 48, 9 ft. $113,165. F. E. Hess, Box 640, Medical Arts Bldg., Dallas, engr.

Tex., Menard—Menard Co. making plans improving 9 mi. State Highway 23, near

Streets and Roads (Continued)

Abilene, 18 ft. $140,000. H. J. Batjer, 833 Cedar St., Abilene, engr.

Tex., Vernon—Wilbarger Co. voted $150,000 bonds grading and rein.-con. paving 5 mi. State Highway 5, Harrold Precinct, 18 ft. $150,000. J. B. Nabors, co. engr.

California—Siskiyou Co. (Yreka), appropriated $25,000, Shasta Co. (Redding), $12,500, and United States Bureau of Public Rds., $12,500, for improving Sisson-Falls River Rd.

Calif., Oakland—Had plans prepared improving Monticello, Birdsdall Sts., etc., 84,899 sq.ft. grading, 3,170 lin.ft. concrete curb, 6,327 sq.ft. concrete gutter, 42,172 sq.ft. oil macadam, 1,420 lin.ft. of 6 in. sewer, etc. W. W. Harmon, city engr.

Calif., Pomona—Plans paving 5th St., to exceed $100,000; West Holt St., $28,000; resurfacing East Holt St., $20,000, widening same $11,186; resurfacing South Gary St., $11,550. F. C. Troehde, city engr.

Que., Outremont—Plans paving 3,375 ft. Hutchison St. from Bernard Ave. to St. Joseph Blvd., 30 ft., asphalt, $25,000, also 1,690 ft. Van Horne Ave. from Hutchison to Outremont Sts., 50 ft., $15,000. J. A. Duchastel, city mgr.

Ontario—Dept. Highways, 110 University Ave., Toronto, plans to expend $161,240 on provincial highways in Lambton Co., gravel and macadam. G. Hogarth, ch. engr.

Ont., Birch Cliff—Scarboro Twp. making plans 5 mi. gravel and macadam roads. $55,000. C. E. Fraser, Stop 19 Kingston Rd., Toronto, engr.

Ont., Bridgeburg—Plans to repave various streets, asphalt and brick, to exceed $25,000. J. T. James, ch. street com.

Ont., Chatham—Kent Co. plans improving streets in Thamesville, Bothwell and Highgate, macadam, gravel and concrete. $30,000. W. G. McGeorge, Chatham, engr.

Ont., Chatham—Kent Co. having plans prepared gravel and macadam roads. $172,300. W. G. McGeorge, Chatham, engr.

Ont., Elora—Wellington Co. (Guelph), plans 18,000 sq.yd. concrete pavements on main streets, here. $50,000.

Ont., Hamilton—Plans asphalt pavement on Sanford Ave. from Main to Barton Sts., with granite blocks between car tracks, $50,000; concrete sidewalks on Homeside Survey, Whitton Rd., Dromore and Haddon Crescents, also steps up mountain, $10,000. W. L. McFaul, city engr.

Ont., Kingston—Plans 30,000 yd. paving on Pine, York, Barrie, Queen, King, Sydenham, Ordanance, Johnson, William, Rideau, Earle and Frontenac Sts., asphalt on concrete with concrete curbs and gutters. $125,000. H. S. Dick, city engr.

Ont., Ottawa — Suburban Roads Comn., Thistle Bldg., plans paving Russel Rd., 16,000 sq.yd. waterbound macadam. $32,000. A. K. Hay, Thistle Bldg., engr.

Ont., Toronto—Plans 1,300 ft. concrete curbs on Lloyd Ave. $289 and Norwood Rd. $883; 60,000 sq.ft. concrete sidewalks on Blake St. $1,772, Dawes Rd. $1,183, Duplex Ave. $8,514, Norwood Rd. $479, Riverview Dr. $1,919, York Rd. $2,849, Evalyn Ave. $1,368, Henning Ave. $1,497, and Indiana Grove $778; 14,000 sq.yd. asphalt pavement on concrete, Hiltz Ave. $24,563, Swanick Ave. $9,223, Norwood Rd. $11,023, Weatherall Ave. $2,464, Henry St. $9,917, Lloyd Ave. $10,302, Enderby Rd. $9,223; 25,000 sq.yd. asphalt resurfacing Markham St. $20,526, St. Patrick St. $19,458, Robinson St. $8,095; asphaltic concrete on Dufferin St. $4,777, Langley Ave. $20,757; concrete pavement on lane east of Bond St. $3,120 and lane east of Victoria St. $7,685; grading Winthorpe Rd. $17,075, Cavendish St. $9,423, Harriet St. $922, Duplex Ave. $6,326, Foreman Ave. extension $22,000, Redpath Ave. extension $9,850, lane near Sarauren Ave. $9,600, lane near Marchmont Rd. $15,500, lane near Ulster St. $8,250, lane near Perth Ave. $4,400; widening Glen Echo Rd. $1,500. R. C. Harris, city engr.

BIDS DESIRED

New York—Mar. 14, by L. Grosman, comr. State Hy. Dept., Albany, constructing and reconstructing highways in Allegany, Chautauqua, Columbia, Livingston, Oneida, Putnam, Saratoga, Sullivan, Washington and Wyoming Counties; adv. E. N.-R. Feb. 28.

N. Y., Buffalo—Mar. 4, by Commissioner Pub. Wks., paving, repaving and widening Shirley Ave., Franklin, Pearl and Ellicott Sts., vitr. brick or asphalt on 6 in. concrete. To exceed $30,000. C. E. P. Babcock, Municipal Bldg., engr.

N. Y., Buffalo—See "Material and Equipment."

N. Y., Corning — Mar. 4, by Bd. Pub. Wks. at office W. O. Drake, supt., for 6,386 sq.yd. pavement, etc.; adv. E. N.-R. Feb. 28.

N. Y., Syracuse—Mar. 12, by Sedgwick Farm Land Co., 401 Sunset Ave., curbing and 19,000 sq.yd. pavement on Sedgwick Farm tract. A. G. Card, 211½ Elk St., civil engr.; adv. E. N.-R. Feb. 28.

N. Y., White Plains—Mar. 10, at office of F. L. Merritt, clk. Bd. Supervs. Westchester Co., Court House, improving Anderson Rd.; adv. E. N.-R. Feb. 28.

Pennsylvania — Mar. 17, by State Hy. Dept., Harrisburg, 52 mi. road in 14 counties; adv. E. N.-R. Feb. 28.

Pa., Cresson—Mar. 15, by J. A. Lynch, burgess Boro. Council, paving 6,000 ft. Park, Laurel, Pownell, Ashcroft, Columbia and Cathedral Aves., asphalt and brick. $40,000. D. W. Dillman, Altoona Trust Bldg., Altoona, engr. Noted Nov. 15.

Pa., Southmount — Mar. 10, by R. G. Wertz, secy. Boro Council, 5,000 ft. one course rein.-con. pavements on Shady Lane, Hochstein Rd., Harding and Cox Aves. $35,000. S. E. Dickey & Co., 809 Johnstown Trust Bldg., Johnstown, engrs.

Maryland—Mar. 11, by State Rds. Comn., Baltimore, oiling 7 sections of state highway, requiring 1,022,544 gal. J. N. Mackall, chn.; adv. E. N.-R. Feb. 28.

Virginia — Mar. 12, at office State Hy. Comn., Richmond, grading, bridging and surfacing with bituminous macadam 5.1 mi. Project F-118-B, Roanoke and Franklin Counties, 5 mi. Project F-118-E, Franklin Co., 5.1 mi. Project S-317, Mecklenburg Co.; topsoiling and bridging 5.4 mi. Project S-134-A, 5.2 mi. Project S-188-B, Lunenburg Co.; grading 9 mi. Project S-293, Giles Co., incl. 129 ft. rein.-con. bridge over Sinking Creek; concrete surfacing and bridging 1.8 mi. Project S-328, Elizabeth City Co., 3.3 mi. Project S-345, Princess Ann Co., 3.2 mi. Project S-349, Gloucester Co.; 2 steel truss and rein.-con. bridges and approaches over Craig Creek, 167 ft. and 142 ft. H. G. Shirley, highway comr.; adv. E. N.-R. Feb. 28.

W. Va., Buckhannon—Mar. 10, by State Rd. Comn. and Upshur Co., grading and bituminous macadam paving 5.89 mi. Cleveland Rd., Meade Dist., Project 3277, Sect. B. E. P. Phillips, clk.

Fla., Apalachicola — Mar. 4, by Comrs. Franklin Co., grading, etc., 19 mi. Sects. A, B and C of State Rd. 10. $26,000. G. K. Aemes, Apalachicola, engr.

Fla., St. Petersburg—Mar. 10, by Director of Finance, 400,000 sq.yd. of brick or asphalt block pavement with granite curb. S. S. Martin, acting dir.; adv. E. N.-R. Feb. 28.

Ala., Decatur—Mar. 15, by E. W. Collier, city clk., asphalt paving 25 blocks Pond, Canal, Line, Oak, Vine, Walnut, Ferry, Church, Railroad and West Vine Sts., 30 ft. $300,000. M. S. Bingham, Decatur, engr.

Miss., Greenwood—See "Bridges."

Miss., Iuka—Mar. 13, by Bd. Supervs. Tishomingo Co., Court House, grading, graveling, bridging, etc., 16.886 mi. Federal Aid Project 164, between Corinth and Alabama line, bridge includes 143,506 ft. creosoted lumber, 7,302 ft. untreated lumber, 58.72 cu.yd. concrete, 8,680 lb. reinforcing steel, etc.; bids same time for 28,227 tons road gravel, f.o.b. Iuka and Burnsville. H. C. Dietzer, c/o State Hy. Dept., Jackson, engr.

Miss., Starkville — Mar. 12, by Bd. Supervs. Okitbbeha Co., Court House, grading, graveling, bridging, etc., 10.562 mi. Federal Aid Project 167, from here to Ackerman, 18 ft., bridges over 20 ft. span incl. 82,656 ft. creosoted lumber, 4,080 ft. untreated lumber, 2,924 lin.ft. creosoted piling, 32,250 lb. reinforcing steel, 2,268 ft. piling, 1,600 ft. stone gutter; bids at same time furnishing gravel f.o.b. all points between Longview and Fulcher on Aberdeen branch I. C. H. C. Dietzer, c/o State Highway Dept., Jackson, engr.

Tenn., Livingston—Mar. 4, by Rd. Comn. Overton Co. 24 mi. limestone road. $300,000. J. Hargrove, chn.

Michigan—Mar. 10, by State Hy. Dept., Lansing, grading and surfacing 5.129 mi. Federal Aid Project 127, Sect. B, 28,042 cu.yd. excav., 60,121 sq.yd. asphalt, concrete or bituminous concrete, 2.827 mi. Federal Aid Project 127, Sect. A, 16,853 cu.yd. excav., 33,034 sq.yd. asphalt, concrete or bituminous concrete, and 8.482 mi. Federal Aid Project 15, Sect. B, 45,796 cu.yd. excav., 99,504 sq.yd. asphalt, concrete or bituminous concrete, Livingston Co. G. G. Dillman, ch. engr.

Ill., Geneva — Mar. 15, by I. F. Stern, engr., 38 South Dearborn St., Chicago, completing concrete paving State Aid Route 1-A, Sect. T-15d, 16,048 sq.yd. concrete, 707 cu.yd. Class A concrete, 14,205 sq.yd. earth shoulders, 4,886 cu.yd. earth excav., etc. Union Indemnity Co., 830 Union St., New Orleans, La., owners. Kane Co. will furnish cement.

Ill., Monticello—Mar. 12, by Bd. Supervs. Piatt Co., constructing 2 sections concrete road on State Aid Route 2. W. J. Day, supt. highways; adv. E. N.-R. Feb. 28.

Wis., Darlington—Mar. 4, by Lafayette Co. Hy. Com., crushed rock surfacing 3,500 cu.yd. commencing at village limits of Blanchardville south for 7 mi.; 2,600 yd. commencing at end concrete pavement on Louisa St. this city, extending east 3.5 mi.; 8,500 cu.yd. commencing at Center Hill and extending west 8.5 mi. on State Trunk 65; 2,500 cu.yd. commencing at end pavement on Ohio St., this city, extending north to Paper School House 2.25 mi.; State Trunk 20, commencing at Village limits of Gratoit to County Trunk Highway K; State Highway 20 commencing at west town line of Wayne and extending east. G. H. Priestley, comr.

Wis., Marshfield — Mar. 5, by J. A. Schindler, city clk., 30,359 sq.yd. paving, curbing, etc., concrete, asphaltic concrete or vitr. brick. $95,000. J. H. A. Brahtz, 409 Metropolitan Opera House Bldg., St. Paul, Minn., engr.

Wis., Monroe—Mar. 6, by Green Co. Hy. Com., grading and surfacing Illinois State Line-Monroe Rd. 2, Town Monroe, Sects. 16, 15, 10 and 3, incl., 16,000 cu.yd. excav., 49,126 sq.yd. concrete, etc.; Monroe-Argyle Rd., Towns Monroe and Jordan, 11,000 cu. yd. earth, 1,000 cu.yd. loose and 3,000 cu. yd. solid rock excav., 28,600 sq.yd. concrete; York Church Rd., Town York, 2,500 cu.yd. fine grading, 12,500 lin.ft. regular grading, 1,000 cu.yd. earth and 500 cu.yd. solid rock excav., 29,400 sq.yd. concrete; Broadhead-County Line Rd., Town Decatur, 700 cu.yd. excav., 5,400 sq.yd. concrete; Broadhead-Juda Rd., Towns Spring Grove and Jefferson, Sects. 4, 5, 6 and 1, 5,500 cu.yd. earth, 500 cu.yd. loose and 1,500 cu.yd. solid rock excav., 26,400 sq.yd. concrete; New-Glarus-Mt. Vernon Rd., Town New Glarus, Sects. 10, 3 and 4, 4,300 cu.yd. excav., 400 cu.yd. loose and 100 cu.yd. solid rock excav., 13,200 sq.yd. concrete; Sugar River Bridge, Village Albany, two 65 ft. concrete deck girder spans, etc. C. J. Smith, highway comr.

Wis., Wisconsin Rapids—Mar. 4, by Bd. Pub. Wks., F. G. Gilkey, city clk., concrete paving, etc., 8th St., 6,270 lin.ft. concrete curb and gutter, 2,030 cu.yd. earth excav., 10,501 sq.yd. concrete. E. H. Aldrich, City Hall, engr.

Wis., Wisconsin Rapids — Mar. 4, by Wood Co. Hy. Comn., at office State Hy. Comn., Citizens Natl. Bank Bldg., grading and surfacing Portage Rd., Town Grand Rapids, 4,638 sq.yd. concrete, etc.; Port Edwards-City Point Rd., Village Port Edwards, 4,361 cu.yd. earth, 2,168 cu.yd. borrow, 8,367 sq.yd. concrete, etc.; Rudolph-Wisconsin Rapids Rd., Town Rudolph, 2,639 cu.yd. earth and 598 cu.yd. loose rock excav., 6,347 sq.yd. concrete, etc.; Wisconsin Rapids-Sherry Rd., Town Sherry, 5,689 cu.yd. earth and 187 cu.yd. borrow excav., 18,686 sq.yd. concrete, etc. E. Morris, comr.

Ia., Indianola—Mar. 7, by Warren Co., excavating 8.357 mi. primary road, Project 44, Sect. A and Norwalk, 121,907 cu.yd. excav., 166,155 sta.yd. overhaul, etc. Iowa Hy. Comn., Ames, engrs.

Minn., St. Paul—Mar. 4, by H. W. Austin, city purch. agt., paving Mississippi River Blvd., 72,827 sq.yd. asphaltic concrete, 972 sq.yd. reset asphaltic concrete, 39,895 lb. reinforcing steel, 37,982 lin.ft. straight and 1,048 lin.ft. radius special concrete curb, 2,420 lin.ft. standard straight curb; Grand Ave. from Milton St. to Cretin Ave., 52,876 sq.yd. 3-in. vertical fiber brick, 315 sq.yd. creosoted wood blocks, 24,296 lin. ft. straight and 353 lin.ft. radius curb; Grand Ave. from Oakland Ave. to west line of Milton St., 16,247 sq. yd. 2-in. vertical fiber brick; Phalen Parkway-East Lake Shore Dr. from bath-house to Larpenteur Ave. and Phalen Park roadway from east Lake Shore Dr. at southerly end of lake to Maryland St., 2,980 sq.yd. 7-in. rein.-con., 16,598 sq.yd. Class A asphaltic concrete, 8,668 sq.yd. Class B asphaltic concrete; Park Ave. from Wabasha St. to Como Ave. and Como Ave. from Park Ave. to Rice St., 11,288 sq.yd. 3-in. vertical fiber brick, 2,461 lin.ft. straight and 494 lin.ft. radius concrete curb, etc.; George St. from Ohio to State Sts., 6,017 sq.yd. brick paving, 5,484 sq.yd. asphaltic concrete, 7,355 lin.ft. straight and 1,337 lin. ft. radius concrete curb. G. M. Shepard, city engr. Noted Nov. 15.

Streets and Roads (Continued)

Minn., St. Paul—Mar. 17, by G. J. Ries, aud. Ramsey Co., grading and paving Lexington Ave. from County Rd. A to County Rd. E, 18,736 cu.yd. excav., 49,832 sq.yd. concrete, 20 ft. wide, or 45,351 sq.yd. in two 9-ft. strips with 9-ft. macadam strip between. $175,000. P. N. Coates, 900 Guardian Life Bldg., surv.

Kan., Kansas City—Mar. 22, by Clerk Wyandotte Co., fine grading and concrete surfacing 0.873 mi. gaps on Federal Aid Project 102, 18 ft. O. K. Williams, co. engr.

S. D., Sioux Falls—Mar. 12, paving and curbing 23 blocks. $90,000. W. C. Leyse, city aud.

Wyoming—Mar. 6, by State Hy. Comn., Cheyenne, Federal Aid Project 64, grading 32.8 mi., 24 ft., and 4 timber bridges, Casper-Rawlins Rd., Carbon Co., $130,000, R. J. Templeton, Rock Springs, engr.; Federal Aid Project 143, grading and surfacing 5.84 mi., Buffalo-Sheridan Rd., Johnson Co., $50,000, C. R. Wood, Sheridan, engr.; Federal Aid Project 157, grading and surfacing 7.62 mi. Torrington-Henry Rd., Goshen Co., $475,000, F. S. Seward, Torrington, engr.; Federal Aid Project 155, grading 7.47 mi. Moorcroft-Carlisle Rd., Crook Co., $63,000, W. D. Keeney, Upton, engr.

Tex., Angleton—Brazoria Co. taking bids bituminous topping on shell and macadam 10.88 mi. State Highway 19, Federal Aid Project 367-B, Rd. Dist. 16, 18 ft. $206,000. H. W. Munson, Jr., Angleton, engr.

Tex., Ft. Worth—Mar. 4, by City Com., paving Vickery Blvd., bituminous type. $40,000. D. L. Lewis, city engr. Noted Feb. 7.

Okla., Comanche—Mar. 3, by L. C. Rankel, clk., grading and paving 4 blocks Oak Ave., 12,000 sq.yd. 7 in. concrete, 2,860 lin.ft. curbing, 3,700 cu.yd. excav. $51,500. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Feb. 21.

New Mexico—Mar. 10, by State Hy. Comn., Santa Fe, (1) Federal Aid Project 123, Otero Co., 18.241 mi. across the Mescalero Indian Reservation on Roswell-Alamogordo Rd., 96,488 cu.yd. Class 1 excav., 6,828 cu.yd. Class 3 excav., 19,198 cu.yd. Class 1 borrow, 12,949 sta.yd. overhaul, 49,392 cu.yd. 2 course crushed stone surfacing 6,295 cu.yd. sledge stone base, bridges, 313 cu.yd. concrete, 16,135 ft. wooden superstructure (2) Federal Aid Project 110, Luna Co., 13.974 mi. between Deming and Columbus, 26,859 cu.yd. Class 1 excav., 27,018 cu.yd. Class 1 borrow, 29,239 cu.yd. 2 course gravel surfacing, etc. (3) Federal Aid Project 63, Sect. B, Curry Co., 4.51 mi., between Clovis and Grady, 7,814 cu.yd. Class 1 excav., 7,832 cu.yd. Class 1 borrow, 11,969 cu.yd. 2 course caliche surfacing, etc. (4) Federal Aid Project 63, Sect. D, Curry Co., 11.959 mi., south of Grady, 18,160 cu.yd. Class 1 excav., 25,917 cu.yd. Class 1 borrow, 31,598 cu.yd. 2 course caliche surfacing, etc. (5) Federal Aid Project 63, Sect. E, Curry Co., 5.757 mi., immediately north of Clovis, 11,176 cu.yd. Class 1 excav., 9,138 cu.yd. Class 1 borrow, 15,279 cu.yd. two course caliche surfacing, etc. (6) Federal Aid Project 119, Bernalillo Co., 9.268 mi., between Albuquerque and Tijeras, 19,358 cu.yd. Class 1 and 2 excav., 13,179 cu.yd. Class 3 excav., 1,653 cu.yd. Class 1 borrow, 10,459 sta.yd. overhaul, 1,245 cu.yd. plating (decomposed granite), 17,223 cu.yd. cement concrete, 5,404 cu.yd. decomposed granite shoulders (7) Federal Aid Project 111, Santa Fe Co., 8.859 cl., between Pojuaque and Santa Cruz, 47,545 cu.yd. Class 1 excav., 1,465 cu.yd. Class 3 excav., 22,358 cu.yd. Class 1 borrow, 4,514 sta.yd. overhaul, 20,511 cu.yd. 2 course gravel surfacing, 13,014 cu.yd. plating, bridge 545 cu.yd. concrete, 105,118 lb. reinforcing steel, etc. (8) Federal Project 128 Rio Arriba Co., 6.204 mi. between Santa Cruz and Alcalde, 17,983 cu.yd. Class 1 excav., 17,834 cu.yd. Class 1 borrow, 1,077 sta.yd. overhaul, 14,214 cu.yd. two course gravel surfacing, 873 cu.yd. plating. J. A. French, state highway engr.

Washington—Mar. 11, by State Hy. Comn., Olympia, surfacing with crushed rock 7.1 mi. State Highway 3 from Indio to Pomona, Kittitas Co.; concrete paving 4.64 mi. State Rd. 9, Olympic Highway, and 6 mi. Olympic Highway from Perry Creek west, Thurston Co.; heavy clearing on 6.62 mi. State Rd. 8, from Queets River southeast, Grays Harbor-Jefferson Co. J. Allen, state highway engr.

Washington—Mar. 25, by State Hy. Comn., Olympia, grading and gravel surfacing 3 mi. Methow Valley Highway from Carlton Bridge north, Okanogan Co., 4 mi. Tonasket-San Poll Highway, Okanogan Co., 4 mi. State Rd. 22, south of Harvey, Stevens Co.; grading 4 mi. and gravel surfacing 10 mi. North Central Highway, Kittitas Co. J. Allen, state highway engr.

Calif., Colfax—Mar. 11, by City Trustees, improving various streets, 86,000 sq.ft. 5 in. concrete or 4 in. willite. J. A. Barieau, Auburn, engr.

Calif., Modesto—Mar. 10, Supervs. Stanislaus Co., improving 3½ mi. highway between Newman and Hills Ferry Bridge, incl. 273,654 sq.ft. concrete, 7,000 cu.yd. excav. J. H. Hoskins, co. surv. Noted Sept. 27.

Calif., Oroville—Mar. 8, by City Trustees, improving portion Lincoln, Oak and Pine Sts., 170,400 sq.ft. Warrenite bitulithic on 2½ in. asphalt concrete. S. J. Norris, city engr. Noted Jan. 10.

Ontario—Mar. 18, by S. L. Squire, deputy minister of highways, Toronto, 2.3 mi. asphalt pavement, Contr. 1019, $125,000; 0.95 mi. crushed stone concrete pavement, Contr. 1052, $40,000; 20.5 mi. washed gravel concrete pavement, Contrs. 1021, 1032 and 1050, $600,000; 0.6 mi. bituminous macadam Contr. 1023, $15,000; 39.8 mi. waterbound macadam Contrs. 1021 and 1022, 1024 to 1030 inclusive, $500,000; 130.3 mi. oil and repair surface treatment to macadam roads, Contrs 1031 to 1046 inclusive, $150,000; 7½ mi. grading Contrs. 1047 to 1049 inclusive $35,000; concrete bridges and culverts Contr. 1081, $15,000. G. Hogarth, 110 University Ave., Toronto, ch. engr.

BIDS RECEIVED

New Hampshire—State Hy. Dept., Concord, Mar 15, rein.-con. paving 2.415 mi. Projects 158 and 175, in Derry, Rockingham Co., from O. Morino, Swampscott, Mass., $94,965; 0.994 mi. Projects 168 and 169 in Peterboro, Hillsboro Co., (a) all field stone (b) field stone and gravel, from R. E. Bull, 151 Harrison Ave., Fitchburg, Mass. (a) $27,643 (b) $26,798.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, Feb. 20, sheet asphalt paving (1) Brooklyn Ave. (2) East 38th St. (3) Rutherford Pl. (4) Sheffield Ave., curbing and flagging (5) Ave. M (6) Ovington Ave. (7) Rutherford Pl., curbing and sheet asphalt paving (8) West 10th St., from Borough Asphalt Co., 1301 Metropolitan Ave., (1) $10,382 (2) $7,201 (4) $8,180; Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., (3) $7,970 (8) $20,843; W. G. Grimm, (5) $409; W. J. McHale Contg. Co., 1250 Jefferson St., (6) $2,249; Galecor Contg. Co., 507 Greenwich St., New York City, (7) $3,663. Noted Feb. 14.

Pa., Phila.—Dept. Pub. Wks., Bureau Highways, asphalt paving Luzerne St. and asphalt repaving Wharton St., from Eastern Paving Co., 401 Colonial Trust Bldg., $14,163 and $46,651 respectively; repaving with asphalt on Chelten and Sprague Sts., also 54th St., from Barber Asphalt Paving Co., 239 North 30th St., $82,288 and $31,331 respectively; redressed granite block repaving on Callowhill St., from Union Paving Co., 30th and Locust Sts., $44,192; on Frankford and Front Sts., from F. Beckius, Jr., 4050 Kensington Ave., $64,140 and $25,459 respectively; on Germantown Ave., from J. F. Nolan & Sons, 64 Church Lane, $59,347; 7th Ave., from Acchione & Canuso, 804 South 12th St., $29,473; 60th St., from M. J. McCrudden, 1134 Real Estate Trust Bldg., $47,408. Noted Feb. 14.

Mo., St. Louis—Bd. Pub. Wks., 208 City Hall, Feb. 19, from Webb-Kunze Constr. Co., 5927 Fyler Ave., 6,016 sq.yd. Garrison St. $36,934, engrs. est. $37,300, 9,195 sq.yd. Laclede St. $65,917, $69,300, 2,260 sq.yd. Maffitt St. $19,678, $18,800, 4,640 sq.yd. Sacramento St. $29,612, $29,800, 4,475 sq.yd. Stoddard St., $27,612, $27,700, all above asphalt on concrete base; from Granite Bituminous Paving Co., Ry. Exch. Bldg., improving 11,550 sq.yd. Kossuth St. $59,487, $59,200, 1,550 sq.yd. Reber Pl. $9,657, $9,200, both warrenite on concrete, 11,500 sq.yd. Loughborough St., bitulithic on concrete, $66,848, $68,500; from Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., improving 14,380 sq.yd. Meramec St., willite on concrete, $82,927, $86,800, resurfacing 8,770 sq.yd. Pendleton St., willite on old bitulithic, $23,436, $27,500. Noted Jan. 24.

Wash., Seattle—Bd. Pub. Wks., Feb. 8, grading, curbs and walks North 59th St. et al., from Fiorito Bros., 3950 6th St. N. W., 2,660 ft. asphaltic concrete curb $0.55, 12,000 ft. concrete curb $0.30, 420 sq.yd. concrete sidewalk $1.50, 5,800 cu.yd. earth excav. $0.60, total $56,757. Engrs. est. $64,987.

Calif., Bakersfield—Kern Co., resurfacing with 3 to 5 in. asphaltic concrete 38 mi. various highways and constructing 3 mi. 6 in. asphaltic concrete in 2 courses, from California Constr. Co., 58 2nd St., San Francisco, $841,000, engineers est. $942,923. Noted Jan. 17.

CONTRACTS AWARDED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, asphalt paving [illegible] St., Bay 38th St., East 7th St., Highland Ave., Homecrest Ave., West 8th, 40th, 57th, 70th and 81st Sts., also curbing and asphalt paving Elmore Pl., Ave. I and West 7th St., to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $8,181, $5,477, $8,247, $14,079, $9,935, $8,474, $8,146, $8,[illegible], $10,683, $8,745, $10,660, $16,259 and $9,767 respectively; asphalt paving Blake Ave., East 34th St., Lefferts Ave. and Union St. to Borough Asphalt Co., 1301 Metropolitan Ave., $4,048, $8,331, $23,444 and $4,724 respectively; grading, curbing and flagging East 7th, East 18th, East 34th and West 8th Sts., to T. B. Scott, 671 Halsey St., $3,963, $7,853, $4,356 and $4,571 respectively; grading, curbing and flagging East 37th St., and paving, laying sidewalks, etc., on 70th St., to A. E. Castle, 3313 Tilden Ave., $7,056 and $1,338 respectively; grading, curbing and laying sidewalks on Lenox Rd. and Ave. M, also curbing and laying sidewalks on Liberty Ave., to W. G. Grimm, $3,335, $1,916 and $1,108 respectively; grading, curbing and flagging West 13th St., also grading, curbing and laying sidewalks on Ave. S, to G. M. Mandatto, 129 29th St., $4,436 and $7,113 respectively; grading, curbing and flagging 82nd St., to F. Persicano, 350 Fulton St., $5,371; grading, curbing and flagging 57th and 70th Sts., to Galecor Contg. Co., 507 Greenwich St., New York, $3,755 and $5,121 respectively; grading, curbing and flagging 76th St., to L. Mangieri, 190 31st St., $5,482; paving with second-hand granite Jerome Ave., to F. T. McMillan Contg. Co., $7,220; sodding malls and spaces on Kings highway, to P. Deichler, $6,198. Noted Feb. 14.

N. Y., New York—Park Bd., Municipal Bldg., paving and repaving, asphaltic mastic walks in Central Park, to L. DiMinna, $29,590; grading and curbing, etc., new roadway entrance to Central Park at 6th Ave. and 59th St., also drain pipe in music stand in mall in Central Park, to Fleming & Sheppard, Inc., 116 Broad St., $20,880 and $3,673 respectively; drain pipe and completing roads and paths in connection with construction of Rice Memorial on Pelham Bay Parkway, to J. Paladino, Inc., $111,742. Noted Feb. 7.

N. J., Morristown—Morris Co., concrete paving 47,480 sq.yd. Long Valley-Hunterdon Co. Rd., to Public Service Production Co., Park Pl., Newark, $163,623. Noted Feb. 7.

N. J., Salem—Salem Co., reconstructing Sect. 1 Carlls Corner Rd., concrete, to C. T. Kavanaugh, Prospect Ave. and 32nd St., Bayonne, $85,054. Noted Jan. 31.

Md., Towson—Baltimore Co., concrete paving 1.5 mi. Graystone Rd., Group 1, and 2 mi. Middletown Rd. from end of concrete east, to A. C. Cantell & Sons Co., Towson, $96,617. Noted Feb. 21.

Fla., Tampa—Hillsborough Co. improving 4½ mi. in Palma Cara Dist., grading, paving, curbs, 47,000 sq.yd. asphalt, to Cone Bros., Tampa, $85,000.

Ala., Fairfield—Asphalt paving ½ mi. Parkway, 20 ft., to Barrett Mfg. Co., Fairfield, $35,000.

La., New Orleans—Comn. Council awarded contracts for paving and subsurface work for 1924 program. Total cost about $1,000,000. Names of contractors, etc., will be published in later issue.

Tennessee—Dept. Hys. & Pub. Wks., Nashville, grading and surfacing with 2½ bituminous macadam on course stone base 13 mi. Sparta-Warren Co. line Rd., 18 ft., Federal Aid Project 201, White Co. incl. vitr. clay pipe and one concrete bridge, over 20 span, to Boyd Williams Co., Murfreesboro, $376,971. Noted Feb. 21.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving 4.45 mi. Sect. "A" West Union-Manchester Rd., Adams Co., waterbound macadam, to Burris, Hanlon, Jones & Park, Hammersville, $67,992; 3.794 mi. Sect. "B" of above road, waterbound macadam, to Pringle & Buerkle, Batavia, $70,208; 6.22 mi. Sects. "B and E" Delaware-Newark Rd., Delaware Co., rein.-con., to Lynn Constr. Co., Paulding, $161,122; 1.55 mi. Sect. "B" Cleveland-Burton Rd., Geauga Co., waterbound macadam, to W. Sousley, Ada, $25,833; 0.997 mi. Sects. "A and Beloit West" Alliance-Salem Rd., Mahoning Co., brick, to City Constr. Co., Youngstown, $38,672; 2.392 mi. Sect. "S-2" Ashland-Medina Rd., Medina Co., rein.-con., to G. Mellert-Weidner Co., Medina, $68,991; 3.477 mi. Sect. "D" Defiance-Paulding Rd., Paulding Co., asphaltic macadam, to Blauser & Schultz, Paulding $98,426; 2.939 mi. Sect. "S" New Lexington-Athens Rd., Perry Co.,

Streets and Roads (Continued)

rein.-con., to W. F. Payne, Springfield, $11,357; 1.966 mi. Sect. "Williamsport" Cincinnati-Zanesville Rd., Pickaway Co., asphaltic macadam, and 0.972 mi. of above road, brick and asphaltic macadam, to C. J. Uible, Hillsboro, $45,674 and $37,812; 5.312 mi. Sect. "B" Canton-Navarre Rd., Stark Co., oil macadam to P. Christiansen, 1355 Yale Ave. N. W., Canton, $199,148; 3.04 mi. Sect. "H" Cleveland-Massillon Rd., Summit Co., brick furnished by state, to Guilford-Wright Co., Akron, $19,979; 2.53 mi. Sect. "P" Cuyahoga Falls-Chagrin Falls Rd., Summit Co., bituminous concrete, oil, to McCourt Constr. Co., Akron, $92,539; concrete widening 1.648 mi. Sect. "O" Mansfield-Ashland Rd., Richland Co., to C. F. Willmore, Middletown, $17,767; grading, etc. 0.833 mi. Sect. "A-2" Gallipolis-Crown City Rd., Gallia Co., to Miller Bros., Gallipolis, $28,758, 2.24 mi. Sect. "K" McArthur-Logan Rd., Vinton Co., to Mariner & Co., Athens, $18,276. Noted Jan. 31.

O., New Philadelphia—Tuscarawas Co. graveling 1.2 mi. Sect. 1 Sugar Creek Rd., 18 ft., to Leroy Springer & Co., New Philadelphia, $28,850, engrs. est. $30,000; 2.4 mi. Div. 3 Sugar Creek Rd., 18 ft., limestone on sandstone, to Holmes Constr. Co., Millersburg, $107,939, $120,000.

Michigan — State Hy. Dept., Lansing, grading and gravel surfacing 2.957 mi. County Rd. 3, and 2.633 mi. County Rd. 1, Ingham Co., to Wilkes & Van Dosler, Ney, O., $18,966 and $18,796 respectively; 2.775 mi. County Rd. 2, to C. A. Diehl, Dansville, $19,785, 3.364 mi. County Rd. 6 to Briggs & Warden, Dansville, $24,658, 3.491 mi. County Rd. 1, to McKenzie Co., Cass City, $23,348.

Kan., Salina — Paving, etc. various streets, to C. P. Barrington, Salina, 10,300 cu.yd. excav. $1, 12,200 ft. curb and gutter $0.90, 25,000 sq.yd. brick paving $3.23, 7,000 sq. yd. brick paving between street railway tracks $4.10, total $130,750. Noted Jan. 21.

Missouri—State Hy. Dept., Jefferson City, grading 2.717 mi. Opolis-Asbury Rd., Jasper Co., and 1.669 mi. Kansas Harrisonville Rd., Cass Co., also concrete paving 17,924 sq.yd. Kansas City-Harrisonville Rd., Cass Co. and 20,544 sq.yd. Opolis-Asbury Rd., Jasper Co., to V. E. Koch, 14th and Texas Sts., Joplin, $6,140, $9,452, $23,302 and $30,405 respectively; grading and graveling 10,453 sq.yd. Tipton-Sedalia Rd., Moniteau Co., and 46,132 sq.yd. road from Buffalo west, Dallas Co., to N. A. Christy, Warsaw, $11,249 and $19,741 respectively, 13,618 sq.yd. road from Curryville west, Pike Co., and 23,466 sq.yd. New London-Paris Rd., Ralls Co., to F. T. O'Dell, Hannibal, $13,653 and $16,105 respectively; graveling 46,033 sq.yd. Potosi-De Soto Rd., Washington Co., to W. A. Reynolds, Marble Hill, $31,059, 21,848 sq. yd. California-Jefferson City Rd., Moniteau Co., to Newton Constr. Co., California, $11,686, 29,335 sq.yd. road from Branson east, Taney Co., to Cox & Chaney, Branson, $7,981, 31,802 sq.yd. Edina-Memphis Rd., Knox Co., to Kerby Rainer & Co., Fayette, $12,602; grading 4.35 mi. Lebanon-Linn Creek Rd., 26 ft., Laclede Co., to Pioneer Constr. Co., Springfield, $17,697, 0.999 mi. Unionville-Lancaster Rd., 24 ft., Putnam Co., to R. L. Thompson, Carrollton, $7,009, 4.969 mi. Salem-Eminence Rd., 24 ft., Dent Co., to Muskogee Constr. Co., Tulsa, Okla., $25,141. Noted Feb. 14.

Tex., Dallas—Paving 7 streets, 41,152 sq.yd. willite asphaltic concrete, to Fuller Constr. Co., Southland Bldg., $163,320; 7 streets, 35,270 yd. Uvalde rock asphalt, to Uvalde Paving Co., 1001 Main St., $135,829; 31 streets, 178,285 yd. Willite asphaltic concrete, to Smith Bros. Co., Sumpter Bldg., $656,606; 12 streets, 71,990 yd. warrenite bitulithic, to Central Bitulithic Co., Praetorian Bldg., $279,340. Noted Jan. 31.

Tex., Dallas — Dallas Co., bituminous macadam surfacing 22 mi. Belt Line Rd., 18 ft., to Hill, Wilson & Watson, Sumpter Bldg., $200,000. Noted Jan 31.

Tex., Eastland — Paving 10,980 sq.yd. Moss, White and Mulberry Sts., 5,709 ft. curb and gutter to Chapin-Kemp Co., 910 Austin St., San Antonio, $3.70 per ft. 3 in. brick on 5 in. macadam. Engrs. est. $45,000. Noted Jan. 31.

Oklahoma—State Hy. Dept., Oklahoma City, grading and paving 1.3 mi. Ozark Trail, 13,700 sq.yd. concrete, Federal Aid Project 115, Sect. A, Cleveland Co., to Gudgel & McVay, Stillwater, $40,347; paving around State Capitol grounds, 60,000 sq.ft. sidewalk, etc., to W. L. Eby, 321 East 8th St., Oklahoma City, $12,523. Noted Jan. 31 and Feb. 7 respectively.

Okla., **Oklahoma City**—Grading and paving 9 blocks Florence, 15th, Western, Oklahoma and Madison Sts., 9,860 sq.yd. concrete, 4,750 lin.ft. curbing, 3,100 cu.yd. excav., to M. A. Swatek Co., Security Bldg., $52,527; widening 9 blocks Robinson Ave., 4 to 10 ft., 3,600 sq.yd. asphalt, 7,900 lin.ft. curbing, to Western Paving Co., Tradesmen's Bldg., $53,039. Noted Feb. 14 and Nov. 15, respectively.

Okla., Oklahoma City—Paving 1.5 mi. G Avenue Rd., 18 ft., 15,900 sq.yd. vertical fibre brick on concrete, to M. A. Swatek, Security Bldg., $59,016; 2.3 mi. Eastern Ave. to Lincoln Park, 24,300 sq.yd. vertical fibre brick, 15,900 sq.yd. concrete base, to Green-Beekman Co., 1st Natl. Bank Bldg., $92,111. Noted Feb. 14.

Okla., Pawhuska — Osage Co., grading and paving 1 mi. Tulsa-Hominy Rd., 10,600 sq.yd. concrete, 3,700 cu.yd. excav., to Tibbets & Pleasant, Daniels Bldg., Tulsa, $30,622.

Okla., Tahlequah—Concrete paving various streets, to H. Tidd, Hutchinson, Kan., $30,000.

Wash., Seattle—Filling 6th Ave. S., 114,000 cu.yd. earth excav., to J. B. Stilwell, 3220 9th St. S., $64,800. Noted Feb. 7.

Calif., Oroville—Butte Co., improving 3.46 mi. Biggs-Princeton Rd., incl. 6,500 tons broken stone surface, 236 tons E asphalt road oil, and 7.87 mi. Gridley-Colusa Rd., 15,500 tons broken stone surface, 470 tons E asphalt, to Skeels & Hudson, P. O. Box 477, Auburn, $16,807 and $38,965 respectively. Material furnished by county, $15,423 and $35,443. Noted Feb. 21.

Calif., San Diego—Improving Redwood, Palm and Bancroft Sts., incl. 10,230 cu.yd. earth excav., 10,912 cu.yd. earth embankment, 7,942 lin.ft. cement concrete curb, 38,253 sq.ft. cement concrete sidewalk, etc., to Pioneer Truck Co., 954 3rd St., $39,957; Guy St., Alameda Dr., Alameda Pl., etc., 74,947 sq.ft. of 1½ in. asphaltic concrete on 4 in. concrete, 11,270 sq.ft. of 4 in. cement concrete, 110,885 sq.ft. 5 in. cement concrete, 2,802 sq.ft. cement concrete sidewalk, 1,221 lin.ft. cement concrete curb, to California Constr. Co., Union Bldg., $55,182. Noted Feb. 14.

Calif., Santa Ana—Orange Co., Rd. Dist. Impvt. 27, Chapman Ave., 6,637 cu.yd. concrete, etc., to Basich Bros., 3788 Vermont Ave., Los Angeles, $67,900. Noted Feb. 14.

Industrial Works

PROPOSED WORK

Mass., Roxbury (Boston, P. O.)—Bakery —Berwick Cake Co., 2220 Washington St., having plans prepared by C. T. Main, archt. and engr., 200 Devonshire St., Boston, 4 story, 70 x 128 ft., brick, steel and concrete, Washington St. $100,000.

Mass., Worcester—Mill—Amer. Steel and Wire Co., Clinton St., had plans prepared 1 story, 60 x 800 ft., brick and timber. $500,000. Private plans.

Conn., New Haven—Ice Plant—Hygienic Ice Co., 881 State St., plans 2 story addition. $100,000. Engineer and architect not announced.

Conn., Waterbury — Factory — Amer. Crystal Co., 51 Randolph Ave., having plans prepared by T. M. Freney, 51 Leavenworth St., 1 story, 90 x 185 ft., brick and timber, South Main St. $50,000.

N. Y., New York—Plant—North Kensington Refinery, 214 East 22nd St., having plans prepared by M. M. O'Brien, archt. and engr., 49 East 19th St., rein.-con., brick and steel addition, plain foundation. $100,000.

N. Y., Ogdensburg — Foundry — A. H. Coplan Co., Hull, Que., Can., plans iron foundry, west of here. $50,000-$60,000.

Md., Baltimore—Plant—W. Knabe & Co. Div. of Amer. Piano Co., Eutaw and West Sts., had plans prepared by Parker, Thomas & Rice, Union Trust Bldg., 1 story, 111 x 247 ft., brick, plain foundation. $60,000.

Md., Baltimore — Plant — Schluderberg-Kurdle Co., Baltimore and 5th Sts., having plans prepared by C. B. Comstock, engr., 110 West 40th St., New York City, 3 story, 60 x 225 ft., rein.-con. and brick, plain foundation, Baltimore and 5th Sts. $250,000. W. T. Schluderberg, pres.

N. C., Charlotte—Plant—Ford Motor Co., Highland Park, Mich., having plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, Mich., 1 story, 301 x 800 ft. assembly plant, also tank foundation, 1 story, 62 x 114 ft. oil house, 63 x 63 ft. power house, rein.-con., brick and steel, plain foundation, Statesville Rd., here.

N. C., Hemp — Weave Mill — County Moore Mills having plans prepared by Lockwood Greene & Co., engrs., Piedmont Bldg., Charlotte, 1 story mill. $300,000.

Ala., Tallassee — Mill — Mount Vernon Woodberry Mills having plans prepared by J. E. Sirrine & Co., South Main St., Greenville, S. C., 30,000 spindle weaving mill, incl. 4 story, 144 x 367 ft., rein.-con. main building, 80 x 100 ft. opener building, warehouses and mill village with 175 houses.

Ky., Ashland—Refinery—Ashland Refining Co. having plans prepared by T. A. Coombs, engr., Lexington, refinery, near here. $75,000 to $100,000.

Ky., Hickman — Factory — Mengel Co., 11th and Dumesnil Sts., Louisville, plans to rebuild one unit of factory recently destroyed by fire, here. $250,000.

Ky., Louisville—Service Station, etc.—Louisville Gas & Electric Co., 321 West Chestnut St., plans 3 story and basement, 175 x 175 ft., service station (offices, laboratories, work shops, etc.), 7th St. and Ormsby Ave. $250,000. Bylisby Eng. & Management Corp., 208 South La Salle St., Chicago, engrs. Noted Jan. 3.

Ky., Owensboro—Plant—L. E. Whitely, 1548 Frederica St., having plans prepared by J. W. Whitehead, engr., Owensboro, cold storage plant. $50,000.

O., Cleveland—Factory—Fixit Body & Fender Repair Co., 2075 East 65th St., having plans prepared by E. McGeorge, 3030 Euclid Ave., 2 story, brick and steel addition, Carnegie Ave. $40,000. Noted Nov. 22.

O., Cleveland—Factory—Sanymetal Products Co., 6233 St. Clair Ave., plans 1 story, brick and steel factory addition, Urbana Rd. $40,000. R. F. Carpenter, pres. Private plans.

O., Cuyahoga Heights (Cleveland P. O.) —Foundry—Bowler Fdry. Co., 1688 Columbus Rd., Cleveland, having plans prepared by A. G. Simon, 716 Hippodrome Bldg., Cleveland, 1 story, 200 x 500 ft., brick and steel, here. $200,000.

O., Elyria—Factory—Elyria Iron & Steel Co. having plans prepared by E. McGeorge, 3030 Euclid Ave., Cleveland, 1 story, brick and steel extension, here. $60,000.

O., Port Homer—Factory—Ohio Valley Clay Products Co., having plans prepared 4 story, 160 x 200 ft., brick and concrete on 400 acre site. $260,000. H. E. Stratton, pres. Private plans.

O., Uhrichsville—Plant—Evans Pipe Co. plans 1½ story, 100 x 140 ft. addition, east of here. Will mature in spring. $80,000-$100,000.

O., Ironton—Plant—Belfont Iron Wks. Co. plans additional open hearth steel plant. To exceed $50,000.

Ind., Jasper — Factory — Jasper Wood Products Co. plans 2 story plant. $60,000.

Mich., Detroit—Factory—Mazer Cigar Co., 5041 Grandy Ave., plans 3 story, rein.-con., brick and steel, plain foundation, Grandy Ave. $100,000. Architect's name withheld.

Ill., Galesburg — Car Plant — Chicago, Burlington & Quincy R.R., 547 West Jackson Blvd., Chicago, plans car plant, steel, plain foundation, here. $200,000.

Wis., West Bend — Factory — Amity Leather Products Co. had plans prepared by Lockwood Greene & Co., 38 South Dearborn St., Chicago, 2 story, 80 x 130 ft., brick and timber, plain foundation. $50,000.

Kan., Wichita—Factory—Coleman Lamp Co., North St. Francis Ave., soon takes bids 2 story and basement, 60 x 90 ft., rein.-con. and brick. $60,000. Private plans.

Neb., Crete—Mar. 11, to vote on $45,000 bonds for electric power plant. C. E. Beals, city clk.

Mo., Cape Girardeau—Printing Plant—Naeter Bros. Publishing Co. having preliminary plans prepared by R. K. Knox, 215 Liberty Natl. Bldg., 2 story and basement, brick, stone and rein.-con. $75,000 up.

Mo., Kansas City—Factory—Dean Rubber Co. having preliminary plans prepared 2 story and basement, 90 x 100 ft., rein.-con. $150,000. W. J. Dean, 2014 Linwood Ave., pres. Private plans.

Mo., Kansas City — Service — Red Star Yeast & Products Co., 79 Buffalo St., Milwaukee, Wis., having plans prepared by E. R. Liebert, 432 Bway., Milwaukee, Wis., 2 story, 52 x 120 ft., brick and concrete, plain foundation, here. $45,000.

Tex., Coleman—Ice Plant—West Texas Utilities Co., Abilene, plans 3 story, brick and concrete, 25 ton capacity, here. $75,000. G. W. Fry, supt. and ch. engr.

Tex., Ft. Worth—Flour Mill—See "Unclassified" under Contracts Awarded.

Industrial Works (Continued)

Tex., Sourlake—Light Plant—W. E. Lee, N. M. Morrison, and associates, Sourlake, plan electric light plant. $75,000. Engineer and architect not selected.

Calif., Fresno—Substation—Fresno Traction Co., 1st Ave., had plans prepared 1 story, fireproof, Blackstone Ave. $45,000. E. A. Deveraux, 335 South Angus St., genl. supt. Private plans.

Calif., Oakland—Factory and Foundry—Hoyt Heater Co. and Marchant Fdry. Co., Powell and Landegran Sts., having plans prepared by Ruggles & McKee, engrs., 1429 Bway., 1 story, frame and corrugated iron, 10th and High Sts. Noted Feb. 14.

Calif., San Francisco—Factory—Fisher-Gaffney Body Co., 555 Bryant St., plans 2 story, 115 x 150 ft., rein.-con.

Calif., San Francisco—Plant—Kleiber Co., Inc., 1480 Folsom St., plans 2 story, 125 x 300, rein.-con., Howard and 10th Sts.

Calif., Woodland—Ice Plant—Union Ice Co., 354 Pine St., San Francisco, preparing plans 1 story, rein.-con., Lincoln Ave. and 6th St., here. $42,000. Private plans. Noted Oct. 18.

BIDS DESIRED

R. I., Providence—Boiler House—Jenks & Ballou, engrs., 1035 Grosvenor Bldg., taking bids 1 story, 60 x 100 ft., rein.-con., brick and steel, plain foundation, Eddy St., for Narragansett Electric Lighting Co., Turks Head Bldg. $1,000,000.

N. Y., Corning — Factory — Mar. 13, by Corning Industries, Inc., 1 story, 100 x 300 ft., rein.-con. and steel; adv. E. N.-R. Feb. 28.

Wis., Racine—Tannery—E. B. Funston Co., archts., Janes Bldg., taking bids 3 story, 40 x 92 ft., brick and timber addition, plain foundation, for B. D. Eisendrath Tanning Co., West 6th St.

Tex., Beaumont — Plant — Southwestern Gas & Electric Co. taking bids brick and concrete buildings and machinery. $200,000. M. T. Walker, mgr.

CONTRACTS AWARDED

Mass., Boston—Foundry and Shop—New England Iron Wks., Summer St., 1 story, 130 x 180 ft. addition, rein.-con. and brick, wood pile foundation, Summer St., to T. Mulcare, 1 Exeter Park, Cambridge (Boston, P. O.), $100,000.

R. I., Providence—Warehouse and Tanks—Sun Oil Co., Finance Bldg., Phila., 2 and 3 story and basement, 90 x 100 ft. warehouse and tankroom, 60 x 70 ft. garage and boiler-room, 2 tanks, 150,000 and 1 m.g. capacity, here, to Balchin Constr. Co., 75 Westminster St., $100,000.

N. Y., Brooklyn—Laboratory—Standard Oil Co. of New York, 26 Bway., New York City, 1 story, rein.-con., brick and steel, plain foundation, 394 Greenpoint Ave., here, to H. D. Best & Co., 949 Bway., Uew York City. Archts. est. $50,000.

Pa., Phila.—Abattoir—Duffy Bros. Inc., 3255 North Front St., 2 story, 63 x 80 ft. and 1 story, 33 x 119 ft. brick and steel, plain foundation, Front and Venango Sts., to F. A. Stoutenburgh, 452 North Amer. Bldg. Archts. est. $75,000. Noted Jan. 17.

Pa., Phila. — Plant — Ballinger & Co., archts., 12th and Chestnut Sts., 1 story and basement, 600 x 740 ft. rein.-con., brick and steel plant, plain foundation, Wissahickon and Abbottsford Aves., to Irwin & Leighton, 12th and Cherry Sts., for Atwater Kent Mfg. Co. $1,000,000. Noted Jan. 31.

Pa., Phila. — Plant — Heintz Mfg. Co., Front and Olney Sts., 1 story, 70 x 200 ft., rein.-con. and brick, plain foundation, Front and Olney Sts., to W. F. Newberry, Otis Bldg. Archts. est. $100,000.

Pa., Phila.—Plant—W. H. Gravel, archt. and engr., 112 South 16th St., 2 story and basement, 130 x 133 x 174 x 205 ft. brick and steel plain foundation, Westmoreland and 25th Sts., to Wark Co., 16th and Walnut Sts., for C. H. Elliott Co., 11th and Lehigh Sts. Archts. est. $375,000.

Pa., Phila.—Substation—Phila. Electric Co., 10th and Chestnut Sts., 1 story, 64 x 98 ft. and 2 story, 29 x 45 ft. brick and steel, 11th St. between Arch and Cherry Sts., to J. N. Gill Constr. Co., City Centre Bldg.

Pa., Pittsburgh—Plant—Mine Safety Appliance Co., Chamber of Commerce Bldg., 4 story and basement, 62 x 145 ft., rein.-con., brick and tile addition to plant, Braddock Ave., to West Bros. Co., 430 Tremont Ave., Wilkinsburg. Archts. est. $150,000.

Pa., Wilmerding — Foundry — Westinghouse Air Brake Co., 3 story, 56 x 465 ft. foundry with 35 x 80 ft. cupola, and 3 story, 81 x 450 ft. machine shop, steel and brick, to Stone & Webster, Inc., 147 Milk St., Boston, Mass., under direction B. Prack, archt. and engr. for owner.

S. C., Lancaster—Weave Shed—Lancaster Cotton Mills, 3 story, 104 x 108 ft., brick and timber, to Potter & Shackleford, Greenville, $70,000.

Ky., Henderson—Factory—Kentucky Box & Crate Co., 1 and 2 story, 85 x 101 ft., to W. T. Overby, Henderson. Est. cost $65,000.

O., Canton—Plant—Timken Roller Bearing Co., Dulber Ave. S. W., 1 story, 230 x 240 ft., fireproof addition, to Melbourne Bros. Constr. Co., 1220 9th St. N. E. Archts. est. $85,000 or more. Noted Nov. 8.

O., Cincinnati—Plant, etc.—Merkel Bros. Co., Canal and Jackson Sts., 3 story, 100 x 320 ft. mill, 2 story, 100 x 220 ft. pipe building, garage, boiler room, cold storage plant, etc., to Austin Co., 16112 Euclid Ave., Cleveland, $500,000.

O., Cleveland—Factory and Boiler House—Ohio Confection Co., 5305 Sweeney Ave., 1 and 2 story, brick and steel, Kinsman Rd., to Dresser-Minton Co., The Arcade. Archts. est. $40,000.

O., Cleveland — Factory — J. Roemer Heating Co., 1808 East 22nd St., 1 story, 80 x 132 ft., brick and steel addition, to J. L. Hunting, Discount Bldg. Archts. est. $40,000.

O., Cleveland—Foundry—Nickel Plate Fdry. Co., 14915 Woodworth Rd., 1 story, 96 x 160 ft., brick and steel, to A. A. Lane Constr. Co., 1869 East 55th St. Archts. est. $50,000.

Wis., Milwaukee — Distribution — Texas Oil Co., Battery Pl., New York, 1 story, brick and concrete oil distribution plant, here, to McKelvey Constr. Co., Hammond Bldg., Detroit, Mich. $50,000.

Minn., Hibbing—Gas Plant—City, constucting new unit to municipal gas plant, incl. 2nd generating unit, additional boiler, etc., to Phelps-Drake Co., 623 Metropolitan Life Bldg., Minneapolis, $44,000.

Tex., Texas City—Refinery—Knox Process Corp., oil refinery, to Amer. Constr. Co., Carter Bldg., Houston, $500,000. Noted Jan. 3.

Calif., Hanford — Plant — Benham Ice Cream Co., 1420 H St., 1 story, brick, East 7th St., to Trewhitt-Shields Co., Rowell Bldg., Fresno, $42,000. Noted Feb. 7.

Calif., Long Beach—Power Plant—Southern California Edison Co., 306 West 3rd St., Los Angeles, constructing Long Beach Power Plant 2, pile foundation, steam generating equipment, etc., to Stone & Webster, 58 Sutter St., San Francisco. $8,000,000. Plans installation 100 ton traveling crane.

Calif., San Francisco—Publishing Plant—Leader Publishing Co., 95 9th St., 2 story and basement, rein.-con., 9th St. near Mission St., to J. J. Leonard, 1158 Dolores St., $42,000.

Buildings

PROPOSED WORK

Mass., Roxbury (Boston, P. O.)—School—Boston Schoolhouse Dept., City Hall, having plans prepared by McLaughlin & Burr, 88 Tremont St., Boston, 3 story, 50 x 50 x 120 ft. $150,000.

Mass., Someville (Branch of Boston)—Apartment—J. E. Locatelli, Inc., 46 Cornhille, Boston, plans 4 story, 30 x 90 ft., brick, 155-157 Summer St. $150,000. Private plans. Work will probably be done by day labor.

R. I., Newport—Courthouse—Newport Co. Courthouse Comn. having plans prepared by A. Stearns, 53 State St., Boston, courthouse, probably stone exterior, Washington Sq. $300,000. Noted Jan. 17.

R. I., Newport—Hotel—Newport Chamber of Commerce plans 200 room hotel. $500,000. H. A. Titus, pres.

R. I., Pawtucket — Memorial — Citizens Memorial Com., c/o J. F. O'Malley, archt., Fanning Bldg., had plans prepared 2 story and basement, 150 x 210 ft., with 38 x 38 ft. tower, 160 ft. high, limestone, brick and steel, plain foundation. $500,000.

R. I., Providence—Church—A. J. Murphy, archt., 146 Westminster St., soon lets contract 1 story and tower, brick and stone, plain foundation, Atwells Ave., for Our Lady of Lourdes Roman Catholic Parish. $150,000.

R. I., Providence — Court House — City plans 4 story and basement, brick and stone, South Main St. $3,564,500. Jackson, Robertson & Adams, 1216 Turks Head Bldg., archts. Noted Jan. 3.

R. I., Woonsocket — Theatre — Whitin Realty Co., S. P. Whitin, c/o First Home Hospital Trust Bldg., 2 story and basement, 140 x 150 ft., brick and steel. $150,000. Noted Aug. 9.

Conn., Bristol — School — Third School Dist. plans 2 story, brick and stone addition, Church St. $200,000. E. Funk, City Hall, chn. Engineer and architect not selected.

Conn., Hartford — Apartment — I. Sherman, 749 Albany Ave., having plans prepared by F. C. Walz, 407 Trumbull St., 4 story, 80 x 110 ft., brick and stone, plain foundation, Capital Ave. $175,000.

Conn., Hartford — Apartment — Tyschen Bros., 1093 Farmington Ave., West Hartford, having plans prepared 3 story, 50 x 185 ft., brick and semi-fireproof, Washington St. $150,000. Private plans.

Conn., Litchfield — High School — Town plans brick high school, $263,000. J. L. Buel and G. J. Switzer, Litchfield, on com. Engineer and architect not selected.

N. Y., Brooklyn—Exchange—New York Telephone Co., 15 Dey St., New York City, having plans prepared by McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison Ave., New York City, altering existing building and constructing 4 story brick, steel and stone addition, plain foundation, Ocean Ave., here. $550,000.

N. Y., Brooklyn—School—Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., 5 story, 162 x 193 ft., brick, steel and stone, plain foundation, 16th Ave. and 56th St., here. $1,250,000.

N. Y., Canton—School—Bd. Educ. plans 2 story and basement, brick, stone and concrete. $250,000-$300,000. Address J. Bird, member Building Com. Bd. Educ.

N. Y., Dolgeville—School—Bd. Educ. having plans prepared by Tooker & Marsh, archts. and engrs., 101 Park Ave., New York City, brick, steel and stone, plain foundation, South Main St. $200,000. Noted Dec. 13.

N. Y., Gouverneur—Hospital—Directors and Building Com. Stephen B. Van Duze Hospital plan 2 story and basement, brick and stone. $150,000-$200,000. Address J. O. Sheldon.

N. Y., Long Island City — School — Bd. Educ., 500 Park Ave., New York City, having plans prepared by W. H. Gompert, archt. and engr., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 126, brick, steel and stone, plain foundation, Van Alst Ave. and Camelia St., here. $850,000.

N. Y., Middleville — School — Bd. Educ. plans 2 story and basement, brick and stone. $250,000. Engineer and architect not selected.

N. Y., New York—Apartment—West End Ave. and 75th St. Corp., c/o. R. T. Lyons, archt. and engr., 342 Madison Ave., having plans prepared 15 story, brick, steel and stone, plain foundation, 315 West End Ave. $1,000,000. L. B. Behrman, pres.

N. Y., Ogdensburg—Bank—Bd. Directors Ogdensburg Bank and St. Lawrence Trust Co. had plans prepared by Thomas Bruce Boyd, Inc., engrs., 286 5th Ave., New York City, 42 x 100 ft., 32 ft. high, brick, Ford St. $200,000. Address Building Comn., Ogdenburg Bank.

N. Y., Ogdensburg—Schools—Election Mar. 15, $350,000 bonds, 2 brick, stone and concrete. Address J. C. Howard, chn. building com. Bd. Educ. Noted Jan. 18, 1923.

N. Y., Saranac Lake — Hotel — S. D. Matthews, c/o Hustace B. Simonson, archt. and engr., 342 Madison Ave., New York City, having plans prepared brick, steel and stone, plain foundation, here. $600,000.

N. Y., Watertown — Hospital — St. Joachims Hospital had plans prepared by D. D. Kieff, Flower Bldg., 4 story and basement, brick, concrete and steel. $500,000. Noted Apr. 19.

N. J., Hackensack — Y. M. C. A., 245 Union St., having plans prepared by Jallade, Lindsey & Warren, archts. and engrs., 129 Lexington Ave., New York City, brick, steel and stone, plain foundation, Main St. $400,000.

N. J., Newark—Warehouse and Service—L. Bamberger & Co., Market St., soon lets contract 5 story, rein.-con., concrete pile foundation, Plain St. $1,000,000. A. Merkt, 175 5th Ave., New York City, archt. and engr.

N. J., Orange — Church — St. Pauls African Methodist Episcopal Church, 93 South St., having plans prepared by N. Myers, archt. and engr., 7 Nelson Pl., Newark, brick, steel and stone, plain foundation, Central Ave. $200,000.

Buildings (Continued)

N. J., Passaic—Hospital—St. Marys Hospital having plans prepared by Crow, Lewis & Wick, archts. and engrs., 200 5th Ave., New York City, 4 story, brick, steel and stone, plain foundation, Pennington Ave. $300,000.

N. J., Red Bank—School—Bd. Educ. having plans prepared by E. A. Arend, archt. and engr., 105 West 40th St., New York City, 3 story, brick, steel and stone addition, plain foundation, River St. $200,000.

Pa., Altoona—Bank—First Natl. Bank, 11th Ave. and 12th St., having plans prepared by J. A. Dempwolf, York, and takes bids about middle of March or April, 4 story and basement, 60 x 120 ft, brick, steel and stone, 11th Ave. $250,000. Noted Oct. 25.

Pa., Hanover — Hotel — Hanover Chamber of Commerce having plans prepared by C. W. Sterns, 64 West Randolph St., Chicago, Ill., 4 story and basement, 52 x 214 ft. $275,000.

Pa., Hanover—Store and Apartment—A. Jordan having plans prepared by Gemmill & Billmeyer, Rosewater Bldg., York, 4 story and basement, 28 x 180 ft. brick and steel, plain foundation. $150,000.

Pa., Johnstown—High School—Bd. Directors Johnstown School Dist., 601-602 Swank Bldg., takes bids in 4 or 6 weeks, 4 story and basement, 140 x 300 ft., rein.-con., brick and steel, Somerset St. $1,000,000. J. E. Adams, Nemo Bldg., archt. E. L. Tilton, 141 East 45th St., New York City, consult. archt.

Pa., Phila.—Apartment—Nineteen Hundred Rittenhouse Sq. Corp., c/o Sugarman, Hess & Berger, archts., 16 East 43rd St., New York City, had plans prepared 15 story and basement, 42 x 95 ft. brick and steel, plain foundation, 19th and Rittenhouse Sts. $350,000.

Pa., Phila.—Apartment—Hoffman-Henon Co., archts., Finance Bldg., preparing plans 9 story and basement, brick and steel, plain foundation, 19th and Panama Sts. $400,000. Owner's name withheld.

Pa., Phila. — Bank and Office — Liberty Title & Trust Co., Broad and Arch Sts., having plans prepared 18 story, Broad and Arch Sts. Architect not selected.

Pa., Pittsburgh — Apartment — L. A. Burnett Co., 225 4th Ave., having plans prepared by Rutan, Russel & Wood, Century Bldg., 9 story and basement, 40 x 140 ft. brick, steel and terra cotta, Melwood St. $500,000.

Pa., Somerset—Business—Somerset Drug Co. takes bids about April 1, 4 story and basement, 66 x 112 ft. rein.-con. and brick, Somerset St. $150,000. E. H. Walker, Somerset, archt. Noted Feb. 21.

Pa., Williamsport — Church — Redeemer Lutheran Church, C. H. Brosius, pastor, plans 1 story and basement, 80 x 120 ft., brick and stone, Sherman St. $150,000.

Pa., Williamsport — Bank — First Natl. Bank, rescinded contract for altering old structure and building new 5 story and basement, 51 x 109 ft. rein.-con., brick and steel addition, Front, 3rd and Curt Sts. Will readvertise in early spring. Noted Feb. 14.

Pa., Williamsport—Garage—D. M. Page Motorcycle Co. takes bids about April 1, 2 story, 50 x 110 ft., rein.-con. and steel, 10th Ave. $150,000.

Pa., Windber—High School—Bd. Educ. having plans prepared by H. Reinhold, Jr., 1513 Walnut St., Phila., 2 story and basement, 56 x 112 ft. brick and tile. $170,000.

Md., Cumberland—Y. M. C. A., c/o J. M. Patterson, having revised plans prepared by Shattuck & Layer, 19 LaSalle St., Chicago, 4 story and basement, 104 x 191 ft., rein.-con., brick and steel, Baltimore Ave. $400,000.

Md., Cumberland — Church — St. Lukes Lutheran Church plans church. $175,000. H. Sharp, pastor. Engineer and architect not selected.

W. Va., Bluefield — Temple — Bluefield Masonic Trust Assn. having plans prepared by Mahood & Van Dusen, Bluefield, 4 story and basement. $250,000.

W. Va., Bluefield—Theater—G. Brown and others plan 3 story, 84 x 120 ft., rein.-con. and brick, Federal St. $200,000. Architect not selected.

W. Va., Fairmont—Lodge—Elks Lodge having plans prepared by J. C. Burchinal, Fairmont, 7 story, 80 x 157 ft., Main St. $300,000. Noted July 12.

N. C., Albermarle—High School—Voted bonds for $200,000 high school. Engineer and architect not selected.

N. C., Hickory—Hotel—Hickory Hotel Co. having plans prepared by C. C. Hartmann, Greensboro, 6 story. $250,000.

ROAD WORK—CALIFORNIA

Following are lowest three bids opened by State Highway Comm., Sacramento, Jan. 21, for highway in Ventura Co., Div. 7, Route 2, Sects. A & B, (A) G. R. Curtis, 2440 East 26th St.; (B) E. Johnson & Sons; (C) G. H. Oswald; contractors all of Los Angeles. The unit bids were as follows:

	A	B	C
32,000 cu.yd. roadway excavation without classification	$0 80	$1 00	$1 00
6,100 sta.yd. overhaul (2 stations or less)	02	02	02
211,500 sta. yd. overhaul (greater than two stations)	01	01	01
1,000 cu.yd. structure excavation without classification	1 50	2 00	1 50
21,750 cu.yd. class "A" portland cement concrete (pavement and shoulders)	14 25	14 40	15 00
400 cu.yd. class "A" portland cement concrete (structures)	25 00	30 00	30 00
357 cwt. bar reinforcing steel in place (structures)	6 00	6 00	6 00
45,680 sq.yd. reinforcing steel in place (pavement)	30	30	325
90 lin.ft. 12 in. corrugated metal pipe	1 00	1 00	1 00
282 lin.ft. 18 in. corrugated metal pipe	1 25	1 00	1 00
208 lin.ft. 24 in. corrugated metal pipe	1 50	2 00	2 00
26 lin.ft. 36 in. corrugated metal pipe	3 00	3 00	3 00
150 cu.yd. removal of broken concrete in existing base	3 50	3 00	3 00
Extended totals	$366,478	$378,599	$392,291

ROAD WORK—NEW YORK

Bids were opened by State Dept. Pub. Wks., Bureau of Highways, Albany, Feb. 5, for reconstruction of Peekskill-Fishkill Rd., Part 5, State Highway No. 5150, Dutchess Co., from (A) Mascetti & Holley, 60 Main St., Torrington, Conn.; (B) O'Day & Ambrose, Binghamton. The unit bids were as follows:

	A	B
Clearing and grubbing (lump sum)	$200 00	$200 00
6,375 cu.yd. earth excavation	1 25	1 00
2,150 cu.yd. rock excavation	3 00	2 75
60,500 cu.yd. overhaul	01	0025
100 lin.ft. 6 in. porous tile underdrain	20	20
1 M.ft. b.m. timber and lumber	70 00	10 00
4,833 bbl. portland cement	3 30	3 60
105 cu.yd. first-class concrete	8 65	8 65
113,700 sq.ft. metal reinforcement for pavement	03	03
38,600 lb. bar reinforcement for pavement (edge, end and center)	05	05
1,700 lb. metal reinforcement for structures	10	10
100 lb. miscellaneous iron and steel	08	08
1,600 lin.ft. concrete cable guide railing	1 25	1 25
100 cu.yd. foundation course (R. C. B. gravel)	2 45	2 45
710 cu.yd. bottom course (broken stone)	5 40	5 40
530 cu.yd. top course (bitulithic penetration method)	6 45	6 45
2,455 cu.yd. cement concrete pavement 1-1½-3 mix	6 80	7 70
6,285 lin.ft. trimming road shoulders	10	10
12 cu.yd. broken stone L.M. No. 2	2 85	2 85
15 cu.yd. broken stone L No. 3	2 85	2 85
14,250 gal. bituminous material "A"	12	12
6,285 lin.ft. of road maintaining traffic	15	15
Extended totals	$67,240	$68,254

Fla., Clearwater—Schools—Pinellas Co., election Mar. 17, $225,000 bonds for school buildings.

Fla., Miami—Hotel—Buena Vista Hotel Co. having plans prepared by G. E. Mayer, Hippodrome Bldg., 6 story, Buena Vista Suburb between 35th Terrace and 36th St. $500,000.

Fla., Miami—Hotel—A. H. Hurff having plans prepared by J. H. Sculthorpe, 206 Townley Bldg., 5 story, 50 x 150 ft., rein.-con., at 243 North East 5th St. $500,000.

La., New Orleans—Office—Louisville & Nashville R.R., 10th Ave. and Bway., Louisville, Ky., plans 2 story and basement, here. $150,000. W. H. Courtenay, ch. engr.

O., Cleveland—Apartment—C. Richland, 1119 Guardian Bldg., having plans prepared by M. Weis, 617 Union Bldg., 3 story and basement, brick, 1851 East 81st St. $250,000.

O., Cleveland—Church, Gymnasium and Sunday School—First Evangelical Church of Cleveland, 841 Thornhill Dr., having plans prepared by Lensky & Corbusier, 2136 B. F. Keith Bldg., 1 story, brick, steel and concrete, Thornhill Dr. $150,000.

O., Cleveland — Commercial — Cleveland United Realty Co., 822 Leader-News Bldg., plans 3 story, brick, steel and concrete on 155 x 164 ft. site, East 46th St. and Carnegie Ave. $150,000. Engineer and architect not selected.

O., Cleveland—Court House and Jail—Cuyahoga Co. election April 29, $3,500,000 bonds, 7 story, brick, steel and concrete, East 3rd St., Ontario and St. Clair Aves. A. J. Hieber, clk. Engineer and architect not selected.

O., Columbus—Office—Amer. Insurance Union, 44 West Broad St., having sketches made 7 or 8 story and basement, 187½ x 187½ ft., West Broad St. $750,000 or more. Architect not selected. H. A. Hopf Co., 40 Rector St., New York City, engrs.

O., Cleveland Heights (Warrensville P. O.)—Apartment—Dolinaft Realty Co., c/o J. Dolinsky, 2210 East 69th St., Cleveland, plans 3 story and basement, 56 x 114 ft., brick, Mayfield Rd., here. $150,000. Private plans.

O., Cleveland Heights (Warrensville P. O.)—Apartment—M. Wolk, 10718 Earle Ave., Cleveland, having plans prepared by M. Weis, 617 Union Bldg., Cleveland, 3 story and basement, 100 x 150 ft., brick, Mayfield and Coventry Rds., here. $250,000.

O., Columbus — Railway Y. M. C. A., Goodale and High Sts., having sketches made 6 story and basement, 150 x 165 ft., rein.-con., brick and stone, 521-27 Park St. $450,000. Engineer and architect not selected.

O., Youngstown—Bank and Office—First Natl. Bank, West Federal St., having plans prepared by Walker & Weeks, 1900 Euclid Ave., Cleveland, 12 story, brick, steel and concrete. $1,500,000.

Mich., Detroit—Apartment, Store and Garage—J. W. Wilson, archt., 17 Campus Martius, preparing plans 7 story, 200 x 240 ft., rein.-con., brick and stone, plain foundation, Woodward Ave. Owner's name withheld.

Mich., Detroit — Apartment — R. Finn, archt., 2631 Woodward Ave., preparing plans 4 story and basement, 70 x 190 ft. brick and steel, plain foundation, 2nd Ave. $175,000. Owners name withheld.

Mich., Detroit—Bank—First State Bank, Griswold and Lafayette Aves., having plans prepared by A. Kahn, 1000 Marquette Bldg., 5 story and basement, 65 x 74 ft. rein.-con., brick and steel, plain foundation, Griswold St. $400,000.

Mich., Detroit—Office—R. H. Marr, archt., 2631 Woodward Ave., preparing plans 7 story and basement, 50 x 80 ft. rein.-con., brick and steel, plain foundation, Cass Ave. and Brainard St. $150,000. Owner's name withheld.

Mich., Detroit — Temple — Findlater Masonic Lodge 475, 437 Artillery Ave., having plans prepared by G. W. Graves, 233 John R St., 2 story and basement, rein.-con., brick and steel, plain foundation, Waterman Ave. and Lafayette Blvd. $200,000.

Mich., Grosse Pointe Shores (Mail at Grosse Pointe, branch of Detroit P. O.)—Clubhouse—Lochmoor Club, D. F. Altland, pres., 203 Lakeshore Ave., having plans prepared by W. B. Stratton, 1103 Union Trust Bldg., Detroit, 3 story, brick and steel, plain foundation, Vernier Rd. $200,000.

Mich., Highland Park (Detroit, P. O.)—Hospital—Highland Park General Hospital plans 3 story, rein.-con., brick and steel, plain foundation. $150,000. Architect not selected.

Mich., Flint—School—Bd. Educ. having plans prepared by Malcomson & Higginbotham, 1217 Griswold St., Detroit, 2 story and basement, 20 room, rein.-con., brick and steel, plain foundation, Fenton Rd. $350,000.

Buildings (Continued)

Ill., Chicago—Apartment—J. Glasser, c/o D. S. Klafter, archt., 64 West Randolph St., plans 4 story, fireproof, 931 Leland St. $175,000.

Ill., Chicago—Apartment—Owner, c/o Dubin & Eisenberg, archts., 14 West Washington St., plans 3 story and basement, 125 x 150 ft., fireproof, Trumbull and 18th Sts. $225,000.

Ill., Lake Bluff — Store, Office and Apartment — Owner, c/o Wolf, Sexton, Harper & Trueax, Inc., archts., 7 West Madison Ave., Chicago, plans 3 story, 100 x 125 ft., fireproof. $150,000.

Ill., Rogers Park — Apartment — C. E. Davis, c/o Wolf, Sexton, Harper & Trueax, Inc., archts., 7 West Madison Ave., Chicago, plans 3 story and basement, 50 x 172 ft., fireproof. $200,000.

Wis., Green Bay—High School—School Bd., I. H. McIntire, supt., plans 2 story and basement, brick, tile and concrete, plain foundation. $300,000. Engineer and architect not selected.

Wis., Madison — Sanitorium — Madison Sanitorium Corp., c/o R. Ingersoll, Lakeside St., having plans prepared by F. Riley, Conklin Bldg., 2 story and basement, 60 x 110 ft., brick, rein.-con. and steel, plain foundation. $150,000.

Wis., Milwaukee—Apartment and Business—B. M. Weil Co., 390 Bway., (owner's representatives) plans 4 story and basement, L shaped, 200 x 260 ft., brick and concrete, plain foundation, Wells St. $350,000. Engineer and architect not selected.

Wis., Milwaukee — Store and Office — Voelz & Siebert, archts., 373 Bway., preparing preliminary plans 2 story and basement, 117 x 122 ft., brick and tile, plain foundation, 8th Ave. $150,000. Owner's name withheld.

Wis., Oshkosh—Temple—Auler & Jensen, archt., F. R. A. Bldg., soon takes bids 4 story and basement, 90 x 100 ft., brick, tile and concrete, plain foundation, for Local Masonic Organization, F. A. Fuller, chn. Building Com. $250,000.

Ia., Indianola—High School—Bd. Educ. having plans prepared by Keffer & Jones, 204 Masonic Temple, Des Moines, Ia., 2½ story and basement, brick. $150,000. Noted Feb. 21.

Ia., Indianola—School—Election Mar. 10, $175.000 bonds, for school.

Minn., Duluth—Hotel—Hotel Wisconsin Realty Co., 86 Michigan St., Milwaukee, Wis., having revised plans prepared by M. Tullgren & Sons, 425 East Water St., Milwaukee, Wis., 13 story and basement, brick, concrete and terra cotta, plain foundation, 3rd Ave., here. $1,500,000. Noted Jan. 10.

Minn., Minneapolis—School—Bd. Educ. rejected bids opened Feb. 15, 3 story and basement addition, 15th Ave. N. and 4th St. $150,000. Noted Feb. 28.

Minn., St. Paul—School—Dept. Educ., will revise plans and take bids in spring 3 story and basement, 150 x 250 ft. with 2 story, 48 x 90 ft. wing, rein.-con., brick, tile and stone, Albert St. and Pascal Ave. Former bids rejected. L. R. S. Ferguson, City Hall, comr. Noted Feb. 7.

Neb., Holdredge — Home — Our Orphan Home, c/o I. Johnson, 516 Hancock Ave., having preliminary plans prepared by E. O. Bostron, 621 Reliance Bldg., Kansas City, Mo., 3 story and basement, brick and stone. $150,000.

Neb., Omaha—Bank—Federal Reserve Bank, 10th and Grand Sts., Kansas City, Mo., having preliminary plans prepared 3 or 4 story and basement, rein.con., brick and stone branch bank, here. $500,000.

Mo., Cape Girardeau — Hospital — Cape Girardeau Hospital Assn., c/o R. L. Dearmont, Liberty Natl. Life Bldg., soon takes bids fireproof, West Bway. $175,000. Private plans.

Mo., St. Louis—Hospital—Central Institute for Deaf, Kingshighway and Papin St., plans 4 story and basement, rein.-con., brick and stone addition. $200,000. Engineer and architect not selected.

Mo., St. Louis—Hospital—St. Louis Mullanphy Hospital, Garrison and Montgomery Sts., soon takes bids 7 story, 40 x 176 ft. rein.-con., brick and stone, Union Blvd. $1,000,000. Lee & Rush, Syndicate Trust Bldg., archts.

Mo., St. Louis—Temple—United Hebrew Congregation, Kingshighway and Enright Ave, plans 2 story and basement, 202 x 274 ft., brick, stone, marble and rein.-con., Skinker Rd. $350,000.

Mo., St. Louis—Central Y. M. C. A., c/o B. W. Moser, pres., 6186 McPherson Ave., plans 11 or 12 story and basement, 137 x 155 ft., brick, stone, marble and rein.-con., Locust St. $1,500,000. Engineer and architect not selected. Noted July 26.

Mo., St. Louis—St. Louis Y. M. C. A., c/o B. W. Moser, pres., 6186 McPherson Ave., plans 4 or 5 story and basement for West End, $450,000, 4 story and basement addition to railroad Y. M. C. A., 21st St., $200,000, addition to negro Y. M. C. A., Pine St., $100,000, permanent outing camp in Merame Valley, $25,000, 4 story and basement, for South St. Louis probably on Grand Blvd., $400,000, 3 story and basement for Carondelet, $100,000-$150,000, also 4 story and basement addition to North Side Y. M. C. A., Grand Blvd. and Sullivan Ave., $200,000, all rein.-con., brick and stone.

Ark., El Dorado—Schools—Bd. Educ. making preliminary plans 2 and 3 story, rein.-con., brick, and stone high school, and brick and concrete grade school. $350,000-$400,000.

Tex., Dallas — Auditorium — State Fair Assn. and City plan brick, concrete and steel, 6,000 capacity, incl. art gallery, at Gaston Park. $750,000. E. A. Kingsley, city engr. Architect not announced.

Okla., Tulsa—Church and Office—First Baptist Church Congregation, 4th and Cinn Sts., plans 8 story and basement. $800,000. W. O. Anderson, 912 South Denver St., pastor. Architect not selected.

Okla., Waurika—Court House—Jefferson Co. plans 3 story and basement, rein.-con., brick and stone. $250,000. Architect not selected.

Ore., Portland—Apartment, Store and Garage—C. L. Linde, archt., Artisans Bldg., takes bids about Apr. 7, 4 story, 200 x 400 ft., rein.-con., plain foundation, 19th, 20th, Flanders and Glison Sts., for Coe & McKinna, Chamber of Commerce Bldg. $640,000.

Ore., Portland — Bank — A. E. Doyle, archt., Worcester Bldg., preparing plans and takes bids about Mar. 15, 6 story, 100 x 100 ft., rein.-con. and marble, plain foundation, Stark St. and Bway., for U. S. Natl. Bank, 6th and Stark Sts. $750,000.

Ore., Portland — Office — Houghtaling & Dougan, archts., Elks Temple, take bids about May 12, 6 story, 100 x 200 ft. office, for Physicians & Dentist's Assn., A. C. Smith, Medical Bldg., pres. $725.000.

Ore., Portland—Store and Office—Schacht & Bergen, archts., Yeon Bldg., take bids about May 12, 7 story or more, 100 x 100 ft., rein.-con., Bway and Oak St., for Western Bond & Mortgage Co., 82 4th St. $700,000 or more.

Calif., Glendale — Apartment — Endicott Arms Apartment Co. having plans prepared by A. F. Priest, Fay Bldg., Los Angeles, 14 story and basement, 104 x 150 ft., Class A, steel and concrete, Lexington Dr. and Brand Blvd. $1,500,000.

Calif., Los Angeles—Apartment—Simpson & Childs, Citizens Natl. Bank Bldg., had plans prepared by S. B. Birds, Frost Bldg., 4 story and basement, 50 x 115 ft., brick, 3rd St.

Calif., Los Angeles—Hotel and Store—L. L. Jones, archt., Grosse Bldg., soon takes bids 4 story and basement, brick, Los Angeles St. and Ferguson Way, for T. Quinn, et. al., c/o architect $150,000.

Calif., Los Angeles—Office—Local Syndicate having plans prepared by Walker & Eisen, Pacific Finance Bldg., 13 story, 100 x 184 ft., rein.-con., 8th and Francisco Sts., for physicians and dentists.

Calif., Los Angeles—Office and Store—P. S. Wright Co., et al., 3981 West 6th St., plans 12 story, rein.-con., on 60 x 170 ft. site, 5th and Figueroa Sts.

Calif., Los Angeles—Theatre and Store—Hill-Friedman Co., 1812 West 7th St., having preliminary plans prepared rein.-con. on 200 x 200 ft. site, West Adams St. Private plans.

Calif., Los Angeles — Warehouse — Reo Motor Co. of California, 1200 South Hope St., plans 1 story, 100 x 200 ft., brick and concrete, 49th St.

Calif., Ocean Park (Santa Monica P. O.) —Theatre—J. Sams, 2607 Washington Blvd., Santa Monica, interested in company financing erection fireproof theatre, here. To exceed $150,000. Engineer and architect not selected.

Calif., Sacramento — Church — St. Pauls and Trinity Cathedral Parishes of Episcopal Church, c/o F. A. S. Foale, archt., Ochsner Bldg., having plans prepared 1st unit, fireproof, 27th and M Sts., $100,000, total $400,000.

Calif., San Francisco—School—City and San Francisco Co. having plans prepared by J. G. Howard, 1st Natl. Bank Bldg., fireproof school, incl. 24 class rooms and auditorium, Harrison St. To exceed $150,000.

Calif., Santa Cruz—Hotel—Miller & Warnecke, archts., Perry Bldg., [illegible] preparing plans 2 story, rein.-con., [illegible] mountains, here. $200,000. Owner's name withheld.

Que., Montreal — Church — St. Francois Soloris Church, Dandurand St., having plans prepared by J. A. Karch, 502 St. Catherine St. E., new church $150,000.

Que., Montreal—Hospital—Notre Dame Hospital, Notre Dame St., plans to convert building on Sherbrooke St. E. into hospital. $300,000. Stevens & Lee, 62 St. Charles St., Toronto, and A. H. Lapointe, 20 St. James St., archts.

Que., Outremont—Church—St. Madeline of Outremont Church, 40 Lawrence St., soon takes bids church, $200,000. Gascon & Paret, 502 St. Catherine St. E., Montreal, archts. Noted Nov. 29.

Que., Three Rivers—Station—Canadian Pacific Ry. Co., Windsor St. Sta., Montreal, plans station here. $1,500,000.

Ont., St. Thomas — School — Bd. Educ. having plans prepared by Hutton & Souter, Bank of Hamilton Bldg., Hamilton, 2 story and basement, 23 room, rein.-con., brick and steel, plain foundation. $320,000. Noted Feb. 21.

BIDS DESIRED

Mass., Chicopee—Clubhouse—Mar. 3, by G. P. Dion, archt., 10 Centre St., 5 story, 70 x 150 ft., brick and steel, Chicopee St., for Polish Natl. Home, J. J. Chmura, 211 Exchange St., chn. $175,000. Noted Feb. 8.

R. I., Slocum—Administration and Service Station—Mar. 6, by State Pub. Welfare Comn., Providence, 3 story, 70 x 200 ft., brick and stone, at Exeter School, here. $250,000. T. S. McLaughlin, 72 Weybosset St., Providence, archt.

Pa., Easton—High School—Mar. 24, at office School Bd., 30 North 2nd St., senior high school, 12th and Spring Garden Sts. Michler & Snyder, 610 Drake Bldg., archts.

Pa., Phila.—Apartment—Mar. 1, by Bellinger Co., archts., 12th and Chestnut Sts., 15 story and basement, 44 x 133 ft., brick and steel, plain foundation, 19th and Spruce Sts., for 19th and Spruce Sts. Realty Corp., c/o Saul, Ewing, Revick & Saul, Land Title Bldg., $900,000. Noted Dec. 20.

W. Va., Clarksburg—Church—Mar. 3, by E. J. Weber, archt., 308 K. of C. Bldg., Pittsburgh, Pa., 1 story and basement, 65 x 160 ft., limestone, East Pike and Maple Sts., for Church of Immaculate Conception, here. $350,000. Noted Dec. 20.

Miss., Biloxi — Schools — Mar. 10, by School Trustees, constructing East End Intermediate School, 2 story, brick and concrete, on East Howard Ave., also new grade school for 4th Ward. $210,000. City Architect prepared plans.

Ky., Greenville—High School—Mar. 4, by Bd. Trustees Greenville Graded School Dist., 3 story and basement, 60 x 150 ft., brick. $150,000. Joseph & Joseph, Francis Bldg., Louisville, archts.

Ky., Louisville—Theatre and Apartment—Mar. 10, by Mammoth Realty Co., 608 West Walnut St., 6 story and basement, 79 x 150 ft., brick and steel, Walnut St. $250,000. Joseph & Joseph, Francis Bldg., archts. Noted Jan. 10.

O., Barberton—High School—Mar. 15, by Bd. Educ., 3 story, 16 room addition, to Barberton High School, also 10 room addition to Hyland school. $200,000.

O., Cleveland—Apartment—W. S. Ferguson Co., archts., 1900 Euclid Ave., taking bids 3 story and basement, brick, 1908 East 70th St., for C. A. Hanson, c/o architect $300,000.

O., Columbus—Commercial—Mar. 5, by Snyder-Babbitt & Mathews, archt., Hayden Bldg., 4 story and basement, 91 x 188 ft., brick, steel and concrete, for Columbian Building & Loan Co.

O., Portsmouth—Temple—Feb. 29 (extended date) by Building Com. Masonic Temple Assn., 3 story and basement, 84 x 180 ft., brick, stone, concrete and terra cotta, Gallia St. $500,000. Pretzinger & Musselman, 1155 Reibold Bldg., Dayton, archts. Noted Jan. 31.

O., Toledo — School — Mar. 7, by Bd. Educ., 3 story and basement, 64 x 229 ft., school with gymnasium wing 62 x 76 ft., rein.-con. and brick, plain foundation, Toronto Ave. $400,000. E. M. Gee, c/o Bd. Educ., archt.

Mich., Northville—School, etc.—Mar. 10, by Bd. Supervs. Wayne Co., (Detroit), sixteen 2 story, 47 x 86 ft. dormitory buildings, 2 story and basement, 51 x 138 ft. service building, 2 story and basement, 50 x 85 ft. school, 2 story and basement, 50 x 79 ft. administration, 2 story, 34 x 120 ft. boys industrial building, 1 story

Buildings (Continued)

and basement, 87 x 117 ft. power house, all foregoing of rein.-con., brick and steel, plain foundations, 1 and 2 story and basement, 77 x 94 ft. hospital, 1 story, 51 x 117 ft. assembly, rein.-con., brick, steel and stone, plain foundations, 1 story, 34 x 119 ft. girls industrial building, and 1 story, 32 x 89 ft. laundry building, rein.-con. and brick, at Training School on Northville-Plymouth Rd., here. $500,000. M. R. Burrowes, 2631 Woodward Ave., Detroit, archt.

Mich., Owosso—Temple—G. W. Graves, archt., 233 John R St., Detroit, taking bids and opens same about Feb. 29, 5 story and basement, 66 x 120 ft. rein.-con., brick and steel, plain foundation, for Masonic Temple Assn. $150,000.

Mich., Port Huron—School—Mar. 9, by R. R. Kemp, secy. Bd. Educ., constructing Cleveland School, 2 story and basement, rein.-con., brick and steel, Vaness St., $175,000, also 2 story and basement, rein.-con., brick and steel, Garfield and 10th Aves., $200,000. G. L. Harvey, Huron Ave., Detroit, archt. Noted Feb. 21.

Ill., Chicago—Club—J. Hunt, archt., 30 North Michigan St., taking bids 16 story, 125 x 180 ft., fireproof, Lake Shore Dr. and Chestnut St., for Lake Shore Athletic Club, c/o architect. $3,000,000. Noted Feb. 22, 1923.

Wis., Burlington—High School—Mar. 15, by School Bd., N. E. Marcher, clk., 2 story and basement, 185 x 247 ft., brick, tile and concrete, plain foundation. $300,000. Oppenhamer & Obel, Nicollett Bldg., Green Bay, archts. Noted July 26.

Wis., Green Bay.— Mar. 17, by Foeller, Schober & Stephenson, archts., Nicollet Bldg., 6 story and basement, 116 x 157 ft., brick and concrete, plain foundation, for Y. M. C. A., Minahan Bldg. $400,000. Noted Aug. 31.

Wis., Kenosha—Bank and Office—Lindl Lesser & Schutte, archts., 82 Wisconsin St., Milwaukee, taking bids 4 story and basement, 49 x 85 ft., brick and stone, plain foundation, for Merchants & Savings Bank, 252 Main St. $200,000.

Wis., Madison—School—Mar. 15, by Bd. Educ., 2 story and basement, 100 x 150 ft., brick, rein.-con. and steel addition, plain foundation, Brooks St. $175,000. J. R. and E. J. Law, 1st Central Bldg., archts. Noted Dec. 20.

Wis., Madison—School—Mar. 8, by Bd. Educ., T. Gosling, secy., 22 West Dayton St., 2 story and basement, 50 x 95 ft., brick, rein.-con. and steel, plain foundation, Spooner St. $200,000. E. Tough, Washington Bldg., archt. Noted Aug. 23.

Wis., Mendota—Hospital—Mar. 17, by Wisconsin Memorial Hospital Comn., c/o J. D. Mack, 304 Capitol Bldg., Madison, constructing Buildings 2, 4, 9, 10 and 11 at Farwells Point, 2 story and basement, brick and rein.-con., plain foundations, $150,000 A. Peabody, Capitol Bldg., Madison, archt.

Wis., Milwaukee—Apartment—Leenhouts & Guthrie, archts., 424 Jefferson St., taking bids and opens same about Mar. 5, 3 story, 48 x 113 ft., brick and tile, plain foundation, Juneau Ave., for Allied Investment Co., c/o Architects. Noted Jan. 17.

Wis., Milwaukee—Apartment and Business—M. Tullgren & Sons, archts., 425 East Water St., taking bids and opens same about Mar. 1, 7 story and basement, 79 x 165 ft., brick, tile and concrete, plain foundation, West Side. $300,000. Owner's name withheld.

Wis., Milwaukee—Apartment Hotel—R. Razall, archt., 330 Caswell Blk., taking bids 4 story and basement, (2 units), 103 x 118 ft., brick and concrete, plain foundation, Cass Sts., for Milwaukee Apartment Hotel Co., c/o G. W. Adams Building Co., 330 Caswell Blk. $600,000.

Wis., Oshkosh — Apartment — Auler & Jensen, archts., F. R. A. Bldg., taking bids 2 story and basement, 98 x 160 ft., brick and tile, plain foundation. $150,000. Owner's name withheld.

Minn., Brainerd—Hotel—Apr. 1, by A. Taylor, chn. com. for Brainerd Hotel Co., 4 story and basement, 102 x 110 ft., brick and steel. $225,000. A. Hanford, 212 Sellwood Bldg., Duluth, archt. and engr.

Minn., Minneapolis—School—Mar. 17, by Bd. Educ., 2 story and basement, rein.-con., brick and tile, Dartmouth and Ontario Sts. $165,000. G. F. Womrath business supt. Bureau of Buildings, Bd. Educ., City Hall, archts. Noted Jan. 11, 1923.

Minn., Minneapolis—School—Mar. 10, by Bd. Educ., superstructure, 1 story, 150 x 300 ft., rein.-con., brick and tile, Mississippi River Blvd. $170,000. Foundation in. G. F. Womrath, business supt. Bureau Design, Bd. Educ., City Hall, archts. Noted Dec. 13.

Kan., Leavenworth—City Hall—Mar. 12, by Feth & Feth, 419 Delaware St., 2 story and basement, 90 x 125 ft., rein.-con., brick and stone, $200,000. Noted Jan. 10.

Calif., Huntington Park (Branch of Los Angeles) — Theatre, Office and Store — Lindley & Selkirk, archts., Amer. Bank Bldg., Los Angeles, taking bids 3 story, 115 x 150 ft., rein.-con., here, for West Coast Theatres, Inc., Knickerbocker Bldg., Los Angeles.

Calif., Lemoore—High School—Mar. 7, by Trustees Lemoore Union High School Dist., rein.-con. high school, 30 classrooms and auditorium. $325,000. W. H. Weeks, 369 Pine St., San Francisco, archt. Noted Jan. 31.

Calif., San Jacinto — Hotel, Bathhouse, etc.—J. J. Frauenfelder, archt., Story Bldg., Los Angeles, receiving bids summer resort buildings, hollow tile and wood, incl. hotel, bathhouse, cottages, etc., here, for Soboda Hot Springs, c/o architect. J. B. Althouse, financing project. From $200,000 to $250,000. Noted Dec. 6.

BIDS RECEIVED

N. Y., Albany — Dining Room — State Hospital Comn., Feb. 20, Verplanck dining room addition, from Carleton Co., Inc., 151 West 42nd St., New York City. $179,264.

D. C., Brightwood (Wash., P. O.)—Church, Auditorium and School—Church of Nativity, church auditorium and school, Georgia Ave. N. W., from Schneider-Spliedt Co., 1422 F St. N. W., Wash., $188,876.

W. Va., Bluefield—Municipal—Rein.-con. and brick building, from H. A. Lucas, Bluefield, $186,802. Noted Feb. 7.

O., Akron—High School—Bd. Educ. general contract high school in Firestone Park, from Clemmer & Johnson Co., 406 Metropolitan Bldg., $535,377. Noted Feb. 21.

O., Columbus—Hall—Richards, McCarty & Bulford, archts., 584 East Broad St., 5 story and basement, 120 x 130 ft., brick, steel and terra cotta, East State St., for Knights of Columbus, 6th and State Sts., from Moran Constr. Co., Terminal Bldg., Akron, $405,000. Noted Feb. 14.

Minn., Minneapolis—School—Bd. Educ., City Hall, Feb. 15, general contract rein.-con., brick, tile and stone addition, 15th Ave. N. and 4th St., from M. A. Floyd Co., 908 Andrus Bldg., $139,800. Noted Jan. 31.

Okla., Oklahoma City—Medical, Office and Bank—Medical Assn., 12 story and basement, 75 x 140 ft., rein.-con., brick and stone, general contract from Reinhart & Donovan Co., 801 Tradesman Natl. Bank Bldg., Oklahoma City. Archts. est. $800,000. Noted Jan. 10.

CONTRACTS AWARDED

Mass., Brighton (Boston, P. O.)—Apartment—Kanter & Stineberg, 220 Warren St., will build 3 story and basement, brick, semi-fireproof, plain foundation, Warren St., by day labor. Archts. est. $200,000. Silverman, Brown & Heenan, 51 Cornhill, Boston, archts. Noted Feb. 14 under "Boston."

Mass., Brighton (Boston P. O.)—Garage—Mack Motor Truck Co., 195 Massachusetts Ave., Cambridge, 2 story and basement, 150 x 160 ft. with 133 x 160 ft. ell, rein.-con., brick and steel, North Beacon and Arthur Sts., to Turner Constr. Co., 178 Tremont St., Boston, $200,000.

Mass., Brookline (Boston P. O.)—Apartment— J. Yonkers, 145 Harold St., Roxbury (Boston P. O.), 3 story and basement, 74 x 140 ft., brick and artificial stone, Carlton St., here, to Cherney & Carlin, 193 Warren St., Allston (Boston P. O.), $200,000.

Mass., Cambridge (Boston, P. O.)—Sales and Service—Mack Motor Truck Co., 195 Massachusetts Ave., 2 story, 150 x 160 ft. with 33 x 160 ft. wing, rein.-con. and steel, wood pile foundation, Massachusetts Ave., to Turner Constr. Co., 178 Tremont St., Boston, $300,000.

Mass., Lowell—Store and Office—A. F. Poach, 26 Ash St., 5 story and basement, 50 x 100 ft., brick and timber, 34 Jackson St., to Edwards & Monahan, Hildreth Bldg., $150,000.

Mass., Roxbury (Boston, P. O.)—Apartment—H. Barron, 32 Abbott St., Dorchester (Boston, P. O.), will build 3 story, 125 x 132 ft., brick and stone, plain foundation, Blue Hill Ave., here, by day labor. $150,000. S. S. Levy, 39 Court St., Boston, archt.

Mass., Roxbury (Boston P. O.) — Exchange—New England Telephone & Telegraph Co., 50 Oliver St., Boston, 2 story and basement, 97 x 146 ft., brick and stone, here, to Turner Constr. Co., 178 Tremont St., Boston, $195,000. Archts. est. $200,000.

Mass., Watertown—High School—School Com., 3 story and basement, 125 x 175 ft., rein.-con. and brick, wood pile foundation, Russell Ave., to J. Bowen Co., 164 Dudley St., Boston, $623,790. Noted Feb. 21.

Mass., Worcester—Apartment—I. Katz, 21 Dale St., will build two 3 story, brick and timber, plain foundations, Dale St., by day labor. $150,000. Private plans.

Conn., Bristol—Hospital—Bristol Hospital, 4 story and basement, 130 x 142 ft., brick and stone, to L. A. Miller, 22 Church St., Meriden, $349,000. Archts. est. $400,000. Noted Jan. 31.

Conn., Hartford—Apartment—L. Greensphon, 20 West St., 3 story, 90 x 136 ft., pressed brick, plain foundation, Buckingham St., masonry contract to M. Justet, 78 Franklin Ave. Archts. est. $150,000. Noted Jan. 10.

Conn., New Haven — Apartment — Adelman Bros., 12 Garden St., will build two 2 and 3 story, 100 x 105 ft., brick and timber, plain foundation, Whitney Ave., by day labor. $150,000. J. Weinstein, Metropolitan Bldg., archt.

N. Y., Amsterdam—High School—Bd. Educ. general contract 4 story, 128 x 210 ft., steel, brick, stone and tile, to Prahl Constr. Co., Marine Bank Bldg., Erie, Pa., $465,300; heating and plumbing, to C. Dwyer, Amsterdam, $58,284 and $24,887 respectively. Noted Feb. 14.

N. Y., Arlington—School—Union Free School Dist. 7, 2 story and basement, 50 x 125 ft., brick, to G. D. Campbell, 56 Market St., Poughkeepsie, $150,000. Noted Feb. 14.

N. Y., Long Island City—Warehouse—Ludwig Bauman & Co., 500 8th Ave., New York, 15 story, 200 x 300 ft., rein.-con. and steel, plain foundation, Anable St., here, to G. Richard Davis, 30 East 42nd St., New York City. Archts. est. $1,500,000. Noted Feb. 14.

N. Y., Mamaroneck—High School—Bd. Educ., 2 story, brick, steel and stone, Boston Post Rd. and Palmer Ave., to Ackempora Bros., Mamaroneck, $449,000. Noted Feb. 14.

N. Y., New York—Restaurant—P. Anselmo, 165 West 49th St., 4 story, 40 x 100 ft., brick, steel and stone, plain foundation, 157 West 49th St., to Patterson-King Corp., 452 Lexington Ave. Archts. est. $150,000.

N. Y., Yonkers — Apartment — Chandell Court Constr. Co., c/o De Rose & Cavalieri, archts. and engrs., 370 East 149th St., will build 5 story, brick, steel and stone, plain foundation, 82 Carlyle Ave., by day labor. $500,000.

N. J., Millville—High School—Bd. Educ. general contract 2 story and basement, 150 x 220 ft., Broad and 5th Sts., to G. W. Shanner, Palmyra, $243,779; heating, to J. F. Craig, 621 Communipaw Ave., Jersey City, $34,135. Noted Feb. 7.

N. J., Newark—School—Bd. Educ., City Hall, 3 story, brick, steel and stone school for crippled children, Weequahic section, Maple and Goldsmith Aves., to Barr, Phaw & Fraser Co., 13th St., Hoboken. Archts. est. $600,000. Noted Feb. 7.

Pa., Altoona—Store—J. and I. Silverman, 1322 12th Ave., 5 story and basement, 60 x 120 ft. granite, terra cotta and steel, 11th Ave. and 12th St., to C. M. Singiser, Commerce Bldg. Archts. est. $350,000.

Pa., Chester — Office — J. T. Windrim, archt., Commercial Trust Bldg., Phila., 2 story and basement, 41 x 172 ft. brick and steel, plain foundation, 16-18 East 5th St., to Chester Constr. Co., Crozier Bldg., for Delaware Co. Electric Co., Chester. Archts. est. $175,000.

Pa., Emporium—School—Bd. Educ., 2 story and basement addition, to Cramer Constr. Co., Emporium. Archts. est. $150,000.

Pa., Phila. — Church — Muhlenberg Memorial Church, 13th and Rosemount Sts., 1 story and basement, 52 x 89 ft., brick and steel, plain foundation, to Bowden Constr. Co., 1935 Chestnut St. Archts. est. $150,000. Noted Dec. 13.

Pa., Phila.—Schools—Bd. Educ., 3 story and basement, 50 x 120 ft., with 2 wings, 48 x 97 ft., and 1 wing, 50 x 96 ft., B and Wyoming Sts., general contract to Sinclair & Griggs, Medical Arts Bldg., $437,800, plumbing to Thompson Bros., 520 Buttonwood St., $28,780, heating to McClintock Bros., 5608 Race St., $49,995; also alterations and additions to school on Benner and Pitman Sts., general contract to Nelson-Pedley Co., 1615 Spruce St., $215,000, heating to McCullough Bros., 5608 Race St., $36,000. Noted Feb. 14.

Pa., Pittsburgh—Store—Select Furniture Corp., c/o Kaufmann's Dept. Store, 5th and Smithfield Sts., 9 story and basement, steel frame, Penn Ave. near 6th St., to H. Miller & Sons Co., 2535 5th Ave.

Pa., Pittsburgh—Store—Schenck China Co., 432 Penn Ave., 3 story and basement, 40 x 113 ft., Penn Ave., to Feltyberger Reed Constr. Co., Peoples Bank Bldg. Archts. est. $150,000.

Buildings (Continued)

Del., Claymont—School—Bd. Educ., 60 x 196 ft. school, to J. E. Healey, 707 Patnall St., Wilmington. Noted Feb. 21.

N. C., High Point—Dormitories—Methodist Protestant Church, two 3 story brick dormitories, to R. K. Stewart & Son, High Point, $250,000. Noted Aug. 30.

N. C., Wilmington—Courthouse and Jail—New Hanover Co., 4 story, 64 x 118 ft., steel and rein.-con. addition, to U. A. Underwood, East Wilmington St., Wilmington, N. C., $153,540. Noted Jan. 24.

La., Shreveport—High and Grade School—Caddo Parish School Bd., 3 story, concrete, brick and stone, high school, general contract to Stewart-McGehee Constr. Co., A. O. U. W. Bldg., Little Rock, Ark., $615,000, plumbing to Fitzgerald Plumbing and Heating Co., 1412 Texas St., $57,864, heating to Dixie Heating & Ventilating Co., 109 Fannin St., Houston, Tex., $59,578, electric wiring to J. M. Johnson Co., 508 North Askard St., Dallas, Tex., $26,681; 2 story, concrete, brick and stone, grade school on Louisiana Ave., to W. G. Butler, Commercial Bank Bldg $237,000.

O., Cleveland—Commercial and Garage—Bolivar-Prospect Co., c/o J. L. Free, 1004 Prospect Ave., 3 story and basement, 116 x 180 ft., brick and rein.-con., 1300 Bolivar Rd., to Austin Co., 16112 Euclid Ave. Archts. est. $300,000.

O., Cleveland—Restaurant and Office—Waldorf Systems, c/o A. Y. Clark, local mgr., 1730 East 24th St., 2 story, 24 x 180 ft., brick, steel and concrete, Euclid Ave., to W. Dunbar Co., 8201 Cedar Ave. Archts. est. $150,000.

O., Columbus — Academy — Notre Dame Academy, 2 story and basement, 100 x 150 ft., brick and concrete, East Rich St., to D. W. McGrath & Sons, 255 East Broad St., $200,000.

O., Kalida—Church—St. Michaels Roman Catholic Church, building church, to G. S. Wood, Amer. Bank Bldg., Lima, $171,521.

O., Mayfield (South Euclid P. O.) — School—Bd. Educ. Mayfield Rural School Dist., 2 story, brick, steel and concrete, to C. Peterson Co., 4500 Euclid Ave., Cleveland, $174,900. Noted Feb. 21.

O., Piqua—Church—Green St. Methodist Episcopal Church, 2 story, 70 x 130 ft., brick and stone, Green St., to A. M. Frey, Piqua, $175,000. Noted Aug. 2.

O., Youngstown — Hospital — Mahoning Co., 3 story, brick, steel and concrete, Smith Corners, to C. Shutrump & Sons Co., 407 Home Savings & Loan Bldg., $167,095. Noted Jan. 31.

Mich., Grand Rapids—School—Bd. Educ. 3 story, rein.-con., brick, steel and stone, plain foundation on Ottawa Hills site, to Owen-Ames-Kindall Co., 42 Pearl St., $665,400.

Ill., Chicago—Apartment—J. C. Barrett, 6531 Ingleside St., 3 story, 107 x 117 ft., fireproof, 7648-58 Phillips St., to Rune & Son, 6744 Ridgeland St. Archts. est. $200,000.

Ill., Chicago—Bank, Office and Apartment—Devon Safety Deposit Co., Clark and Devon Sts., 4 story, 66 x 95 ft., fireproof, 6347-53 North Clark St., to Math Rauen Co., 111 West Washington St.

Ill., Chicago—Bank and Office—Security Bank of Chicago, 741 Milwaukee Ave., 2 story, fireproof, Milwaukee, Chicago and Ogden Sts., to Avery Brundage, 110 South Dearborn St. Archts. est. $300,000.

Ill., Chicago—Riding Club—Riding Club of Chicago, c/o Rebori, Wentworth & Dewey, 332 South Michigan St., 2 story, 218 x 305 ft., fireproof, McClurg, Erie and Ontario Sts., to Bulley & Andrews, 2040 West Harrison St. Archts. est. $750,000.

Ill., Litchfield — Church and Sunday School—Union Avenue Christian Church, 1 story and basement, 51 x 120 ft., brick, stone and rein.-con., general contract to W. H. Crowe 1303 South Walnut St., Springfield. Archts. est. $150,000.

Ill., Urbana—Library, Gymnasium, etc.—University of Illinois, to English Bros., Champaign, 3 story and basement, 70 x 300 ft. library, $507,750; 3 story, 190 x 300 ft. gymnasium, $349,000; 2 story and basement, commerce building, $336,960; 3 story hospital, $146,500. All rein.-con., brick and stone. Noted Jan. 31.

Ill., Vandalia—Hotel—C. Evans, 4 story and basement, 35 x 90 ft., rein.-con., brick and stone, to R. E. Emerick, Vandalia. Archts. est. $150,000.

Wis., Milwaukee — Business — Ninth & Mitchell Realty Co., 216 West Water St., 2 story and basement, 92 x 140 ft., brick and concrete, plain foundation, Mitchell St., to S. Czaplewski, 878 2nd Ave. Archts. est. $150,000. Noted Feb. 7.

Wis., Wausau—School—School Bd., superstructure 2 story and basement, 55 x 162 ft., and 32 x 43 ft., brick and tile, plain foundation, to F. W. Krause, 1018 South 3rd Ave., $102,584. Noted Jan. 31.

Ia., Ft. Dodge — Hospital — St. Josephs Mercy Hospital, 3 story and basement, 45 x 143 ft., rein.-con., brick, tile and stone addition, to Riesche & Sanborn, 514 Jackson St., Sioux City, $108,500. Noted Feb. 7.

Minn., Northfield — Home — I.O.O.F. of Minnesota, A. L. Bolton, secy., 604 Pittsburgh Bldg., St. Paul, general contract 3 story and basement, 93 x 146 ft., rein.-con., brick, tile and stone, here, to Bracker Constr. Co., 638 Builders Exch., Minneapolis, $105,214. Noted Jan. 24.

Minn., Stillwater — Apartment Hotel — Mutual Hotel Co., 4 story and basement, rein.-con., brick and tile, general contract to Lovering & Longbotham, 312 Endicott Bldg., St. Paul. Cost complete $250,000. Noted Nov. 17, 1921.

Mo., Kansas City—Warehouse—Federal Van & Storage Co., 5 story and basement, 60 x 80 ft., rein.con. and brick, to J. Gosling, Ry. Exch. Bldg. Archts. est. $150,000.

Mo., St. Louis—Garage—Von Hoffman Realty & Investment Co., 109 South 9th St., 2 story and basement, rein.-con. and brick, 9th St., to S. Abramson & Son Constr. Co., Chemical Bldg. Archts. est. $200,000. Down-Town Garage Co., lessee.

Tex., San Antonio—Y. M. C. A., 6 story, 80 x 140 ft., rein.-con., brick and stone, plain foundation, Martin and Navarro Sts., to L. T. Wright & Co., City Natl. Bank Bldg., $259,029. Noted Feb. 7.

Tex., Texarkana—Hotel—Texarkana Hotel Co., 7 story and basement, 65 x 150 ft., brick and concrete, to Stewart-McGehee, A.O.U.W. Bldg., Little Rock, Ark., $600,000. Noted Dec. 20.

Tex., Tyler—Bank and Office—Citizens Natl. Bank, 6 story and basement, 54 x 103 ft., rein.-con., steel and brick, North Bway. and East Ferguson St., to J. E. Johnson Constr. Co., Amicable Bldg., Waco, $250,000. Noted Feb. 21.

Tex., Tyler—Schools—Bd. Educ., 2 story and basement, 120 x 160 ft., brick, stone and concrete, to Crisman & Nesbit, Deer Bldg., Dallas, $146,660. Archts. est. $150,000.

Okla., Oklahoma City — Office — E. H. Price, 310 West 28th St., 12 story and basement, 75 x 140 ft., rein.-con. and stone, plain foundation, Bway., general contract to Reinhart & Donovan, Tradesmens Bldg.; plumbing, to Cook & McDonell, Cotton Exch. Bldg. Archts. est. $1,000,000. Noted Nov. 22.

Okla., Oklahoma City—Store—Kerr Dry Goods Co., 226 West Main St., 8 story and basement, 82 x 140 ft., brick, plain foundation, Main St., to Campbell & Price, 606 West Main St., $750,000.

Okla., Tulsa—Office—Skelly Oil Co., Unity Bldg., remodeling Unity Bldg., adding 2 stories, etc., 4th St. and Boulder Ave., to W. H. Horster, 709 Exch. Natl. Bank Bldg. Est. cost $199,000.

Ore., Portland—School—School Dist. 1, general contract 2 story, 24 room, rein.-con. and timber, plain foundation, to Hansen, Hammond & Clist, Pittock Blk., $161,913.

Calif., Livingston—High School—Merced Union High School Dist., 1 story, rein.-con., general contract to J. E. Fritz, Merced. $100,050. Noted Jan. 24.

Calif., Los Angeles—Office—F. E. Morgan, Union Bank Bldg., (interested), 13 story and basement, 100 x 185 ft., rein.-con., Francisco and 8th Sts., to Macdonald & Kahn, Loew State Bldg.

Calif., Los Angeles — Store — Bullocks, 659 South Bway., 10 story and basement, 40 x 140 ft., steel frame and rein.-con., Hill St., to P. J. Walker Co., Merchants Natl. Bank Bldg., $300,000 to $400,000. Noted Dec. 6.

Que., Montreal — Hall and Office — Des Bardeurs Syndiques Port de Montreal, 4 story and basement, 84 x 96 ft. rein.-con., brick, steel and stone, to Duranceau & Duranceau, 127 Hamilton St., $150,000. Noted Feb. 14.

Federal Government Work

PROPOSED WORK

Del., Wilmington — Steel House — U. S. Engineer, Wilmington, rejected bids Feb. 1, steel house on quarterboat. Noted Jan. 10.

Ind., Jeffersonville — Water-softening Plant—Quartermaster Depot plans water softening plant at depot here.

Ind., Leavenworth—Power Head—U. S. Engineer, P. O. Box 72, Louisville, soon takes bids deep well power head, 15 hp. 18 in. stroke, for Dam 44, here.

Mich., Detroit—Derrick Boat—U. S. Engineer, Detroit, plans to purchase one steel hull derrick boat.

BIDS DESIRED

R. I., Providence—Dredging—Mar. 28, by U. S. Engineer, Providence, maintenance dredging in Connecticut River below Hartford, Conn.; adv. E. N.-R. Feb. 28.

N. J., Killochook Meadows — Dike and Sluice—Mar. 20, by U. S. Engineer, War Dept., Wash., D. C., dike and sluice in Delaware River, here. Noted Jan. 31.

Pa., Dubois—Post Office—Mar. 1, Supervising Architect, Treasury Dept., Wash., D. C., constructing post office here; adv. E. N.-R. Feb. 28.

D. C., Wash.—Boat—Mar. 20, (extended date) at office Comr. of Lighthouses, Wash., D. C., lighthouse tender Willow; adv. E. N.-R. Feb. 28.

Ala., Sheffield—Generators—Mar. 22, by U. S. Engineer, War Dept., Wash., D. C., furnishing four 32,500 K.V.A. electric generators, f.o.b. Sheffield.

Calif., Mare Island—Riprapping—Spec. 4941—Mar. 12, by Dist. Pub. Wks. Officer, Navy Yard, Mare Island, 9,000 tons hard stone riprap for embankment along dike here.

BIDS RECEIVED

Ky., Louisville—Crib Timbers—U. S. Engineer, P. O. Box 72, Louisville, furnishing 411 pieces 10 x 12 in. x 20 ft. and 120 pieces 10 x 12 in. x 30 ft. timber for crib-work, from Green Bros., Falls-of-Rough, $46.50 per M. Noted Feb. 7.

Ky., Owensboro—Soft Steel Bars—U. S. Engineer, P. O. Box 72, Louisville, furnishing 3,200 soft steel round bars, 3 in. diam., 22 ft. long, for Dam 46, from Bourne-Fuller Co., 1105 Union Trust Bldg., Cincinnati, O., $2.83 per 100 lb. Noted Feb. 14.

Ky., Owensboro—Steel Forgings, etc.—U. S. Engineer, P. O. Box 72, Louisville, furnishing 44 tons c.i. and 10 tons steel castings, and 28 tons steel reinforcing bars, from J. and J. B. Milholland Co., 714 5th Ave., Pittsburgh, Pa., $11,629. Noted Jan. 17.

Wis., Milwaukee—Cement—U. S. Engineer, Milwaukee, furnishing 19,500 bbl. portland cement, from Western Lime & Cement Co., 68 Wisconsin St., $2.25 per bbl. Noted Jan. 24.

Wis., Milwaukee—Steel Bars—U. S. Engineer, furnishing 672,400 lb. reinforcing steel bars, from Calumet Steel Co., 208 South La Salle St., Chicago, Ill., 1 in., ¾ in. and ⅞ in. $2.27, ⅝ in. $2.37, and ½ in. $2.47. Noted Jan. 24.

Mo., Kansas City — Post Office — U. S. Treasury Dept., Wash., D. C., 4 story and basement, two 67 x 74 ft. wings, rein.-con., steel and stone, from DeVault & Deitrich, Canton, O., $303,933.

Calif., Mare Island — Lumber — Bureau Supplies & Accts., Navy Dept., Wash., D. C., furnishing 396,000 ft. Douglas fir for Navy Yard here, from C. R. McCormick Co., 17 Battery Pl., New York City, $29.17 per M. Noted Jan. 31.

CONTRACTS AWARDED

N. Y., New York—Storehouse—U. S. Engineer Office, War Dept., Wash., D. C., hollow tile and concrete storehouse at Fort Tilden, here, to Rufus H. Brown, 356 Pearl St., Brooklyn, N. Y., $10,876.

Fla., Jacksonville—Jetty—U. S. Engineer, Jacksonville, repairing jetty at entrance to St. Johns Harbor, to Seaboard Dredging Co., Durkee Bldg., $117,120. Noted Jan. 24.

Ala., Florence—Steel Roof Trusses—U. S. Engineer, Florence, structural steel for powerhouse, to Strupp Bros. Bridge & Iron Co., St. Louis, Mo., $24,986. Noted Jan. 17.

Ky., Addison—Steel Sheet Piling—U. S. Engineer, P. O. Box 72, Louisville, furnishing 300 tons steel sheet piling, to Carnegie Steel Co., Carnegie Bldg., Pittsburgh, Pa., $57 per ton. Noted Feb. 14.

Ky., Louisville—Steel Sheet Piling—U. S. Engineer, P. O. Box 72, furnishing steel sheet piling for Dams 45 and 46, Ohio River, to Carnegie Steel Co., Carnegie Bldg., Pittsburgh, $88,657. Noted Jan. 10.

Ky., Uniontown—Lock—U. S. Engineer, P. O. Box 72, Louisville, lock for Dam 43, Ohio River, near here will be done by hired labor, no general contract. $1,500,000.

Tex., Ft. Worth—Mooring Mast—Spec. 4939—Bureau Yards & Docks, Navy Dept., Wash., D. C., erecting mooring mast here, to Newport Contg. & Eng. Co., Newport News, Va., $14,700. Noted Feb. 21.

Tex., Galveston—Motor Tug—U. S. Engineer, War Dept., Wash., D. C., one 65 ft. steel motor tug, to Togg Ship & Dry Dock Co., Mobile, Ala., $44,950.

Ore., Portland—Sand Pumps—U. S. Engineer, Portland, 2 sand pumps to Smith & Watson Iron Wks. Inc., 400 Front St., $7,791. Noted Jan. 24.

Calif., San Diego—Dredging—Spec. 4887—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Marine R.R. Naval Operating Base, here, to San Francisco Bridge Co., 14 Montgomery St., San Francisco, $7,500.

H. T., Pearl Harbor—Storehouse—Spec. 4911—Bureau Yards & Docks, Navy Dept., Wash., D. C., extension to paint and oil

Federal Government Work (Continued)

storehouse, at Naval Operating Base, here to L. R. Smith, 1576 Pensacola St., Honolulu. $63,317 (210 days). Noted Feb. 14.

Unclassified

PROPOSED WORK

Transmission Line—New York—Niagara, Lockport & Ontario Power Co., Lafayette Bldg., Buffalo, making surveys and plans approximately 40 mi. double 3 phase steel tower transmission line from Altmar to Solvay. Address H. W. Church, 703 Lafayette Bldg., Buffalo.

Transmission Line, etc.—New York—Twin States Gas & Electric Co., Hoosick Falls, had plans prepared 3 mi. transmission line from power plant at Hoosick Junction to Eagle Bridge with distribution lines, etc., in Eagle Bridge. $35,000. C. W. White, Hoosick Falls, mgr.

Road Machine—Ballston Spa., N. Y.—Saratoga Co. Road Com. plans to purchase road machine for use with tractor. $1,600.

Undergrade Crossing—Huntington, W. Va.—City and Chesapeake & Ohio R.R. Co. plan undergrade crossing at West 14th St. $67,000.

Transmission Line—Waxhaw, N. C.—City soon takes bids 15 mi. transmission line, substation, etc. $30,000. H. Bloxam, Salisbury, engr.

Hydro-electric Project and Dam—Falmouth, Ky.—Kentucky Northern Power Co. soon takes bids 36,000 hp. hydro-electric project and dam 250 ft. high, on Licking River. Est. cost over $500,000. R. A. Tescher, c/o Manfield Eng. Co., 1011 Fletcher Trust Bldg., Indianapolis, Ind., engr. Noted Jan. 10.

Terminal Facility, etc.—Louisville, Ky.—Inland Waterways Co., 316 West Jefferson St., plans extensive terminal facility on river front between Clay and Floyd Sts., incl. concrete retaining wall, 25 x 1,100 ft., 150 ft. pile railroad trestle, yard tracks, etc. $100,000. Rogers & Read, 310 Realty Bldg., engrs. Noted Feb. 14.

Subway—Cincinnati, O.—Plans 5 mi. subway from Mitchell Ave. to Oakley. Work consists of preparing subgrade for track by grading and constructing approximately 1,700 ft. rein.-con. subway and several other underpasses. This section of subway system will be mostly in open cut. $750,000. F. Raschig, City Hall, engr.

Track Elevation—Indianapolis, Ind.—Chicago, Indianapolis & Louisville R.R., 608 South Dearborn St., Chicago, plans elevation of tracks from East to Alabama Sts., here. $150,000. A. S. Kent, ch. engr.

Levee—Princeton, Ind.—Patoka-Wabash Levee Dist. plans levee along left bank of White River, to protect 65,000 acres. T. N. Jacob, Railway Exch. Bldg., St. Louis, Mo., engr.

Pipeline—Texas—R. B. Jones, Staley Bldg., Wichita Falls, and associates, making plans 25 mi. 6 in. oil pipeline from Wichita Falls to Archer Co. fields. $500,000.

Power Development—Lake Cushman, Wash.—City of Tacoma takes bids about Mar. 15, first unit of proposed Lake Cushman Power Project, developing 50,000 hp., $5,250,000. Ultimate capacity 140,000 hp. In addition to power houses in Skykomish River Valley, 2 large dams will be constructed, and concrete-lined tunnel, 2.5 mi. long will be driven. The larger of 2 dams, the Lake Cushman, will be 275 ft. high, and contain 86,000 cu.yd. concrete, this will raise waters of Lake Cushman to elevation of 745 ft. above sea level. Noted Nov. 1 under "Dams."

Subway—Yakima, Wash.—City had plans prepared double subway each 10 ft. high, 18 ft. wide, on Main St., underneath Northern Pacific R.R. $260,000. C. F. Wilson, city engr.

Gas Container—Colton, Calif.—Southern California Gas Co., 950 South Bway., Los Angeles, plans gas container, to contain 3,000,000 cu.ft., here. $250,000.

Electrolier System—Fresno, Calif.—Had plans prepared 258 electroliers, Kern and Inyo Sts. To exceed $25,000. W. Stranahan, city engr.

Traveling Crane—Long Beach, Calif.—See Industrial Works, under "Contracts Awarded."

Power Development—High Falls, Que.—Great Northern Power Co. Ltd., New Liskeard, Ont., plans to develop water power on Frederich House River, here, from 5,000 to 7,500 hp. at approximately 40 ft. head, incl. concrete dam and power house turbine, generators, exciters, transformers, oil and water pumps, etc. $1,000,000. Sutcliffe & Neelands, engrs., New Liskeard, Ont., will prepare all plans, let contracts and purchase equipment.

Tunnels—Montreal, Que.—City plans 2 tunnels under Grand Trunk Ry. tracks, one at Shearer St., $16,000 and other at Green Ave., $13,000, both 8 x 8 ft. rein.-con. E. Gauthier, asst. city clk.

Transformer—Sarnia, Ont.—Hydro Electric Power Comn., 190 University Ave., Toronto, plans to install transformer, here. $250,000. F. A. Gaby, ch. engr.

Street Lighting System—Toronto, Ont.—City plans to improve lighting systems on Queen and Bloor Sts. $100,000. R. C. Harris, city engr.

BIDS DESIRED

Tunnels, etc.—Sonyea, N. Y.—Mar. 11, by P. L. Lang, pres. Bd. Mgrs, Craig Colony, tunnels, bridge and heating work, additional heating system for Villa Flora group, school and laundry. S. W. Jones, state archt.; adv. E. N.-R. Feb. 28.

Grand Stand—Dallas, Tex.—City taking bids grand stand in Reverchon Park. $25,000. E. A. Kingsley, city engr.

Tunnel—Seattle, Wash.—Mar. 7, by Bd. Pub. Wks., completing concrete lined tunnel, 8 ft diam., 400 ft. long, 1st Ave. S., under west waterway. Shafts at each end of tunnel have been sunk and 40 ft. of tunnel bored. Former contract forfeited. Noted May 17.

BIDS RECEIVED

Levee—Charleston, Miss.—See "Excavation, Drainage, Irrigation."

CONTRACTS AWARDED

Borings, etc.—New York—Transit Comn., 49 Lafayette St., New York City, land and river borings along North Jane St., Jackson Ave., Manhattan Ave., Roebling St., Bedford Ave. and Newtown Creek, in Queens and Brooklyn Boros, Agreement "CW"-Route 70, to P. J. Haley, 25 Church St., New York City, $2.70, $0.90, $2.50, $0.70, $6.45, $0.90, $6.45. Noted Feb. 21.

Shaft Superstructure—New York, N. Y.—Transit Comn., 49 Lafayette St., superstructure over ventilating shaft and 2 passageways between tubes of 14th St.-Eastern Rapid Transit R.R., Route 8, Sect. 3, Agreement "CX," to B. T. and J. J. Mack, Inc., 160 Bway., $9,995. Noted Feb. 21.

Lighting System—Austin, Minn.—City, 76 double standards, 15 ft. high, cast iron and pressed steel, to Austin Fdry. Co., Austin, $27,005; 7,000 lin.ft. No. 8 solid lead and rubber-covered wire, 40,000 lin.ft. No. 6 standard lead and rubber-covered wire and 8,000 lin.ft. No. 10 rubber-covered wire, to Northern Electric Co., 41 South 11th St., Minneapolis, $13,000.

Storage Tanks — Kansas City, Mo.—Washburn-Crosby Mining Co., Chamber of Commerce Bldg., Minneapolis, Minn., will build rein.-con. storage tanks, 750,000 bu. capacity, 3100 Guinotte Ave., here, by day labor. $200,000. Private plans.

Levee—Jonesboro, Ark.—Cane Island D. D. 26, 427,000 cu.yd. excavation in levees and 148,000 cu.yd. excavation in ditches, to F. C. Morgan, 709 Lemcke Bldg., Indianapolis, Ind., $79,293. Engrs. est. $90,000. Noted Jan. 31.

Grain Elevator—Ft. Worth, Tex.—Kimbell Milling Co., Sherman, 500,000 bu. concrete grain elevator, 70 tanks, here, to Jones Hettelsater Constr. Co., Mutual Bldg., Kansas City, Mo. Flour mill, 1,000 bbl., will be erected soon. $1,000,000.

Gas Mains—Montreal, Que.—Montreal Light, Heat & Power Co. Ltd., Craig St. W., will lay 3,200 ft. 20 in. c.i. gas mains from Rosedale Ave. and Sherbrooke St. to Beaumont Sta., by day labor. $251,702.

Material and Equipment

PROPOSED WORK

Crane—Cincinnati, O.—Cincinnati River-Rail Transportation, Front and Harriet Sts., plans to purchase large gantry crane for river terminal at foot of Harriet St. To exceed $25,000.

BIDS DESIRED

Cement, etc.—Brooklyn, N. Y.—Mar. 5, by E. Riegelmann, boro pres., Boro Hall, 10,000 bbl. Portland cement and 7,000 cu. yd. steam cinders.

Paving Stone, etc.—Buffalo, N. Y.—Mar. 7, by Commissioner Pub. Wks., paving stone, curbing, sand, gravel and crushed stone, also repairing and constructing concrete sidewalks for year ending Dec. 31, 1924. C. E. P. Babcock, Municipal Bldg., engr.

Cranes—Blaw Knox, Pa.—Blaw Knox Co., taking bids two 10 ton 70 ft. span, 3 motor cranes, and one motor driven transfer car.

Crane—Brackenridge, Pa.—Allegheny Steel Co. taking bids 25 ton, 75 ft. span, 3 motor overhead crane.

Concrete Mixer, Shovel, etc.—Elyria, O.—W. H. Evans Constr. Co. in market full line of contractors equipment, concrete mixer, steam shovel, etc.

Reinforcing Bars—Indianapolis, Ind.—Chicago, Indianapolis & Louisville R.R., Louisville, Ky., receiving bids 400 tons reinforcing bars for freight station, here, to exceed $150,000.

Road Materials, etc.—Lansing, Mich.—Mar. 4, at office F. F. Rogers, state highway comr., Lansing, furnishing 2,632,750 gal. road materials, and 7,600 tons calcium chloride; adv. E. N.-R. Feb. 28.

Street Flusher, etc.—Oshkosh, Wis.—Bd. Pub. Wks., J. Voss, chn., taking bids 1,500 gal. motor driven street flusher. Noted Jan. 3.

Lumber, Steel, etc.—Algona, Ia.—Mar. 5, by Kossuth Co., 150,000 ft. lumber, 700 butt treated posts, 8,000 ft. corrugated culvert pipe and 40,000 lb. reinforcing steel. H. M. Smith, Algona, engr.

Road Oil, Trucks, Shovel, etc.—Minneapolis, Minn.—Mar. 5, by F. S. Gram, city purch. agt., 1,750,000 gal. road oil; two 1½ to 2-ton trucks with dump bodies; one ¾ cu.yd. steam shovel; one four-wheel trailer, 22-ton capacity. N. W. Elsberg, city engr.

Stone Crusher, Road Roller, etc.—Minneapolis, Minn.—Mar. 6, by F. S. Cram, city purch. agt., 1 stone crusher, 1 gasoline driven road roller, 2 bucket loaders for gravel. N. W. Elsberg, city engr.

Paving Mixer, Trailers, Tractors—St. Paul, Minn.—Mar. 4, by H. W. Austin, city purch. agt., 1 gasoline power paving mixer, non-tilting type, for Water Dept.; thirteen 2½-ton drop frame steel trailers and two 10-ton truck tractors. G. M. Shepard, city engr.

Paver—Pittsburg, Kan.—Dubois & Co. in market for large steam power street paver.

Road Oil—Clayton, Mo.—Mar. 5, by H. Jablonsky, Clayton Co. highway comr., 100,000 gal. road oil for use on roads as needed during 1924.

Pipe—Montreal, Que.—Mar. 8, furnishing 25 lengths 4 in., 25 lengths 6 in., 2,500 lengths 8 in., 50 lengths 10 in. and 200 lengths 12 in. c.i. pipe. L. O. Pion, supt. Purch. Dept.

Supplies—Oshawa, Ont.—W. C. Smith, engr., Town Hall, taking bids furnishing 4,000 ft. 4 in., 8,000 ft. 6 in. and 1,000 ft. 8 in. c.i. pipe, ten 4 in., twenty 6 in. and four 8 in. gate valves, 10,000 ft. ¾ in., 1,000 ft. 1 in., 500 ft. 1¼ in., 500 ft. 1½ in., and 500 ft. 2 in. galvanized iron pipe, water meters, brass works, 8,000 ft. 4 in., 1,000 ft. 6 in., 8,000 ft. 9 in. and 1,000 ft. 12 in. vitr. sanitary sewer pipe, 1,000 ft. 10 in., 2,000 ft. 12 in. and 4,000 ft. 15 in. concrete or tile sewer pipe. $50,000.

BIDS RECEIVED

Rip Rap, Steel, etc.—New York, N. Y.—Dept. Purch., Municipal Bldg., rip rap to Plant & Structures, from O'Brien Bros., Inc., 80 South St., $17,600; corrugated sheet steel to Street Cleaning Dept., from Eggleston Bros., $1.418; 400 cu.yd. asphalt binder mixture, from Brusstar Constr. Co., Harlem River and 150th St., $37,400. Noted Feb. 21.

Wood Block, etc.—St. Paul, Minn.—H. W. Austin, city purch. agt., Feb. 13, 1,200 sq.yd. 3½-in. creosoted wood block, from Republic Creosoting Co., St. Louis Park, Minneapolis, $2.60 per sq.yd.; 200 tons asphalt, from Carson Petroleum Co., 208 South La Salle St., Chicago, $20 per ton; 170 tons limestone dust, from Gopher Stone Co., 1500 Johnson St. N.E., Minneapolis, $5.50 per ton; (a) 72 manhole frames Diam. A, (b) 50 manhole covers, Diam. B, (c) 75 manhole covers Diam. C and (d) 24 manhole covers Diam. D, from Smith & Kenaley, 328 Globe Bldg., (a) $67.50 per ton (b) $67.50 per ton, Washington Fdry. & Machine Wks., Washington and Eagle Sts., (a) $8.15 each, (b) $3.50 each (c) $3.50 each (d) $4 each. Noted Feb. 7.

Asphaltic Cement, etc.—St. Louis, Mo.—G. H. Oetting, supply comr., City Hall, Feb. 15, 1,200 tons asphaltic cement for use of St. Louis Street Dept., from New Orleans Refining Co., Maison Blanche Annex, New Orleans, La., $18.20 per ton f.o.b. St. Louis; 500,000 gal. more or less, road oil for above during 1924, from East St. Louis Gasoline Co., 8th and State Sts., East St. Louis, Ill., $4.82 per gal. f.o.b. St. Louis.

CONTRACTS AWARDED

Piles, Crane, etc.—St. Paul, Minn.—H. W. Austin, city purch. agt., traveling crane, 7.5 ton capacity, to Conkey & Co., Conkey and Calumet Aves., Chicago, $4,050; one thousand five hundred and twenty 24-oz. cold rolled copper expansion plates, 270 cast aluminum forms, to Farwell, Ozmun Kirk & Co., 2nd and Jackson Sts., $6,797; furnishing and driving 637 piles between Mississippi River and Charles Lake, to Chernus Constr. Co., 724 Plymouth Bldg., Minneapolis, $10,000. Noted Jan. 31.

Steam Rollers—New York, N. Y.—H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., two 10 ton steam rollers, to Buffalo Steam Roller Co., Brisbane Bldg., Buffalo, $8,960. Noted Feb. 7.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE

E.N.-R.

OFFICIAL PROPOSALS

Bids: Mar. 3.

Robert Street Bridge at St. Paul, Minnesota, for Ramsey County

St. Paul, Minn.

Sealed proposals will be received by the Board of County Commissioners of Ramsey County, Minnesota, at their offices in the Court House, in the City of St. Paul, until ten o'clock a.m., March 3, 1924, at which place and time the proposals will be publicly opened and read aloud.

The work to be done includes the bridge complete, together with street paving, curbs and sidewalks from 3rd Street to Fillmore Street, and miscellaneous building and sewer changes. The bridge will consist of 8 arch spans ranging in length from about 72 feet to 244 feet and having an aggregate length of about 1,086 feet; and approaches having a combined length of some 449 feet. The street improvements at both ends add a total length of about 403 feet. A number of retaining and supporting walls are included, especially in the portion between the end of the south approach proper and Fillmore Street. The bridge and approaches provide for a 56 foot roadway and two sidewalks.

Proposals shall be made in the form of the Proposal Blank prepared for this work. Each proposal shall be accompanied by a certified check or Bidder's Bond made payable to the Treasurer of Ramsey County, for an amount equal to ten per cent (10%) of the bid to be forfeited to the County as liquidated damages (not penalty) by any bidder who is awarded a contract and who fails to execute the contract and bond promptly. Certified checks will be returned to bidders upon execution of contract and bond or sooner upon action of the Board of County Commissioners. Proposals shall be placed in a sealed envelope with a statement thereon showing the work covered by the proposal and addressed and delivered to the County Auditor on or before the said date.

Plans, specifications and proposal blanks are on file at the office of the County Auditor and in the offices of Toltz, King and Day, Inc., Engineers and Architects, St. Paul, Minnesota. Copies of the plans, specifications and proposal blanks will be furnished upon payment to Toltz, King and Day, Inc., of $50.00 for each complete set, &25.00 of which will be refunded upon the return of plans and specifications in good condition within two (2) weeks after bids are received.

A bond satisfactory to the Board of County Commissioners for the full amount of the Contract price will be required.

This work will be paid for in cash. Monthly estimates equal to 85 per cent of the work done, and approved materials for construction delivered on the job during the month, will be paid to the contractor within fifteen (15) days after the allowing of same and a final estimate on the completed work will be paid within thirty (30) days after the same is accepted and approved by the Engineers and the Board.

Work is to begin within thirty (30) days after the signing of the contract, and must be completed by April 1st, 1926.

The Board reserves the right to reject any and all bids and to waive any informalities.

By Order of the County Board:
Dated at St. Paul, Minnesota.
January 14, 1924.

GEORGE J. RIES,
County Auditor of Ramsey County.

OFFICIAL PROPOSALS

Bids: March 14.

Steel Bridge

BERKSHIRE AVENUE BRIDGE

Springfield, Mass.

Sealed proposals for the furnishing, fabricating and delivery at the bridge site, but not including erecting, of structural steel of a 66' 0" span bridge at Berkshire Avenue over the Boston and Albany Railroad, Springfield, Massachusetts, will be received at the office of the City Clerk, Room 105, Administration Building, Springfield, Massachusetts, until twelve o'clock noon, March 14, 1924. All proposals must be made upon the blank form attached hereto, and the envelope containing the same, sealed and addressed to the Board of Supervisors, care of the City Clerk, Administration Building, Springfield, Massachusetts, and conspicuously endorsed "Proposal for Steelwork, Berkshire Avenue Bridge, over the Boston and Albany Railroad."

Each proposal must be accompanied either by a certified check made payable to the order of the Treasurer of the City of Springfield, Massachusetts, in the amount of One Thousand ($1,000) Dollars, or by a voucher showing that an equal sum of money has been deposited with the Treasurer of the City of Springfield, Massachusetts, as a guarantee that the bidder will enter into the proposed contract within the time specified. Should any bidder whose proposal has been accepted by the City refuse or neglect to enter into contract for the performance of the work and furnish a satisfactory bond therefor, the City shall deduct from said check or sum of money an amount equal to the difference between such accepted bid and the amount of the contract as let. This deduction will be in the form of liquidated damages to the City of Springfield, and not in the form of a penalty. The checks accompanying rejected bids will be promptly returned to the bidders upon the signing of the contract.

Plans, specifications, proposal blanks, and form of contract may be obtained at the office of the Superintendent of The Department of Streets and Engineering, Room No. 326, Administration Building, Springfield, Massachusetts. All contract forms and specifications must be returned with the proposals.

The steelwork consists of twelve plate girders with struts and bracing, bearing plates, etc., and is estimated as weighing approximately 273,220 lbs. All bids will be on a lump sum basis for work shown on the above described plans with a price per pound for any incidental material furnished in addition to that shown on plans.

The accepted bidder will be required to furnish a satisfactory surety company bond in the amount of Ten Thousand ($10,000) Dollars to be executed by a Surety Company authorized to do business within the Commonwealth of Massachusetts, and all bidders must furnish the name and address of such a Surety Company which will furnish said bond.

Bidders shall, upon request, furnish the Board of Supervisors with adequate evidence of their ability to correctly and expeditiously perform the work if awarded the contract.

The Board of Supervisors expressly reserves the right to reject any or all proposals and the right to acept any proposal or to award the work as deemed for the best interests of the City. Written notification of the acceptance of any proposal sent by Registered Mail to the address given on the proposal form shall be considered an adequate notice of the award of the contract.

Department of Streets and Engineering.
By ROBERT P. MARSH,
Superintendent.

OFFICIAL PROPOSALS

Bids: March 4.

Bituminous Road Materials and Calcium Chloride for Maintenance

Lansing, Mich.

Notice to Manufacturers and Distributors of Bituminous Materials and Calcium Chloride.

Sealed proposals will be received at the office of Frank F. Rogers, State Highway Commissioner, Lansing, Michigan, until 10 o'clock a.m., Central Standard Time, Tuesday, March 4, 1924, for furnishing to counties approximately:

2,000,100 gallons of Surface Treatment Material
109,550 gallons of Cold Patch Material
155,600 gallons of Joint Filler Material
217,500 gallons of Bituminous Macadam (Penetration) Material
150,000 gallons of Light Oil for Dust Palliative
7,600 tons of Calcium Chloride

in approximate quantities stated, in accordance with provisions of specifications and instructions to bidders.

Specifications, instructions to bidders and proposal blanks may be obtained at the office of the State Highway Department, Lansing, Michigan.

A certified check in the sum of five (5) per cent of amount of bid, made payable to Frank F. Rogers, State Highway Commissioner, must accompany each proposal.

The right is reserved to reject any or all proposals.

FRANK F. ROGERS,
State Highway Commissioner.
Lansing, Michigan.
February 19, 1924.

Bids: March 12.

State Hospital Work

Binghamton, N. Y.

Sealed propsals for Sanitary Work—Renewal of Water Line and Sanitary Work—Plumbing and Sewage Disposal, Plymouth Rock Farm Cottage, Binghamton State Hospital, Binghamton, N. Y., will be received by the State Hospital Commission, Capitol, Albany, N. Y., until 3 o'clock, P. M., Wednesday, March 12th, 1924, when they will be publicly opened and read.

Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a deposit consisting of a certified check drawn upon some legally incorporated bank in this State and made payable to the State of New York, or money, equal to five per cent (5%) of the amount of the proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of contracts within thirty (30) days after official notice of award of contracts and in accordance with the terms of Specifications Nos. 4167 and 4168. The right is reserved to reject any or all bids.

Drawings and specifications may be examined at the Binghamton State Hospital, Binghamton, N. Y., at the New York Office of the Department of Architecture, 18th floor, Fuller Building, Broadway and 23rd Streets, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, Sullivan W. Jones, Capitol, Albany, N. Y.

Dated: February 13, 1924.